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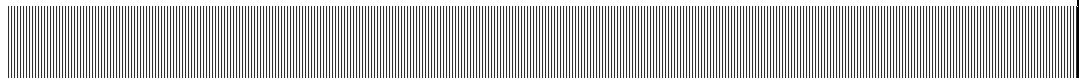
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**CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY**

**FINAL
REMEDIAL INVESTIGATION REPORT
OPERABLE UNIT 3: GROUNDWATER**

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- H. USEPA DESA Region II Low Flow Sampling Procedures
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Acronyms Used in the Report

1,2-DCA	1,2-Dichloroethane
2,3,7,8-TCDD	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin
AOC	Administrative Order on Consent
ARAR	Applicable or Relevant and Applicable Requirements
BCI	Bioremediation Consulting, Inc.
bgs	Below Ground Surface
CDA	Capacitor Disposal Area
cDCE	cis-1,2-Dichloroethene
CDE	Cornell-Dubilier Electronics
CEA	Classification Exception Area
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CIC	Chemical Insecticide Corporation
CKE	Currently Known Extent of Groundwater Contamination
CLP	Contract Laboratory Program
COC	Contaminant of Concern
CVOC	Chlorinated Volatile Organic Compound
DCE	cis-1,2-Dichloroethene + trans-1,2-Dichloroethene
DDX	DDE or DDT
DFN	Discrete Fracture Network
DHE	Dehalococcoides ethenogenes
DNAPL	Dense Non-Aqueous Phase Liquid
DO	Dissolved Oxygen
DSC	D.S.C. of Newark Enterprises, Inc.
EDR	Environmental Data Resources, Inc.
EPM	Equivalent Porous Media
ERT	Emergency Response Team
Fe ²⁺	Ferrous Iron
Fe ³⁺	Ferric Iron
FeS	Iron Sulfide
FLUTE TM	Flexible Liner Underground Technologies, Ltd. L. C.
FLUTE TM wells	FLUTE TM multi-level sampling devices
Foster Wheeler	Foster Wheeler Environmental Corporation
FPW	Former Production Well
FS	Feasibility Study
FSP	Field Sampling Plan
ft/day	Foot Per Day
gpd/ft	Gallons Per Day Per Foot
gpm	Gallons Per Minute



GQC	Groundwater Quality Criteria
HOC	Hydrophobic Organic Compound
IDW	Investigation Derived Waste
IGWSCC	Impact to Groundwater Soil Cleanup Criteria
K _b	Bulk Hydraulic Conductivity
K _m	Rock Matrix Hydraulic Conductivity
K _{OC}	the affinity of a compound to adsorb to soil and is dependent on the amount of organic carbon present in the system
LBG	The Louis Berger Group, Inc.
Ln ft	Linear Feet
LTTD	Low Temperature Thermal Desorption
Malcolm Pirnie	Malcolm Pirnie, Inc.
MCL	Maximum Contaminant Level
mgd	Million Gallons Per Day
mg/L	Milligrams Per Liter
ml/min	Milliliters Per Minute
MSL	Mean Sea Level
MTBE	Methyl-Tert- Butyl Ether
mV	Millivolts
NA	Natural Attenuation
NAPL	Non-Aqueous Phase Liquid
NJDEP	New Jersey Department of Environmental Protection
non-RAS	non-Routine Analytical Services
NPL	National Priority List
NWI	National Wetlands Inventory
ORP	Oxidation Reduction Potential
OU1	Operable Unit 1
OU2	Operable Unit 2
OU3	Operable Unit 3
OU4	Operable Unit 4
OU	Operable Unit
PADS	PCB Activity Database
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene
PEM1C	Palustrine Emergent Persistent Seasonal
PFO1A	Palustrine Forested Broad-Leaved Deciduous Temporary
PID	Photo-ionizing detector
pg/L	Picograms Per Liter
ppm	Parts Per Million
PSS1A	Palustrine Scrub/Shrub Broad-Leaved Deciduous Temporary
PQL	Practical Quantitation Limit
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
Redox	Reduction-Oxidation



RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
SCM	Site Conceptual Model
Site	Cornell-Dubilier Electronics Superfund Site
SVOC	Semi-Volatile Organic Compound
TBC	To Be Considered
tDCE	trans-1,2-Dichloroethene
TCLP	Toxicity Characteristics Leaching Procedure
TCE	Trichloroethene
The Former CDE Facility	The Former CDE Manufacturing Facility
TCL	Target Compound List
TAL	Target Analyte List
TEQ	Toxicity Equivalent
TOC	Total Organic Carbon
µg/kg	Microgram Per Kilogram
µg/L	Microgram Per Liter
µg/min	Microgram Per Minute
µm	Micrometer
USEPA	United States Environmental Protection Agency
USACE	United States Army Corps of Engineers
VC	Vinyl Chloride
VOC	Volatile Organic Compound



Executive Summary

Cornell Dubilier Electronics, Inc. (CDE) operated at 333 Hamilton Boulevard, South Plainfield, New Jersey from 1936 to 1962, manufacturing electronic parts and components, including capacitors. The company released material contaminated with Polychlorinated Biphenyls (PCBs) and Trichloroethene (TCE) directly onto the soils during its operations. The United States Environmental Protection Agency (USEPA) has detected PCBs in the groundwater, soil and in building interiors at the former CDE facility and at nearby residential, commercial and municipal properties. USEPA also has detected PCBs in the surface water and sediments of Bound Brook, which is adjacent to the southeast corner of the former CDE manufacturing facility (the former CDE facility). The CDE Superfund Site (the Site) has been divided into four Operable Units (OUs) by the USEPA. Operable Unit 1 (OU1) addresses residential, commercial, and municipal properties in the vicinity of the former CDE facility at 333 Hamilton Boulevard. The USEPA signed a Record of Decision (ROD) for OU1 in 2003. Operable Unit 2 (OU2) addresses contaminated soils and buildings at the former CDE facility. The USEPA signed a Record of Decision (ROD) for OU2 in 2004. Operable Unit 3 (OU3) addresses contaminated groundwater and Operable Unit 4 (OU4) addresses Bound Brook.

This report addresses the Remedial Investigation (RI) for OU3 (groundwater). The purpose of the RI is to characterize groundwater conditions, evaluate the nature and extent of the impacts and, assess the risk to human health and the environment.

The Site is underlain by fractured siltstone and mudstone of the Passaic Formation. Fractured sedimentary rock formations present unique challenges to characterizing the nature and extent of potential groundwater impacts, especially those impacted by Dense Non-Aqueous Phase Liquids (DNAPLs) and associated dissolved organic compounds. One of the most notable challenges is characterizing the mass diffused into the matrix of the bedrock and the role it plays in the fate and transport of contaminants.

A new methodology used in this type of bedrock hydrogeologic investigation is the Discrete Fractured Network (DFN) approach. The DFN approach is the foundation for understanding the dynamic equilibrium between the advective fracture flow of dissolved contaminants and the diffusion of those contaminants into the low permeability matrix. The diffusion process is driven by the concentration gradient between the aqueous concentrations within the fracture network and the aqueous concentrations within the matrix.

In the early stages of plume development (often referred to as the advective transport of aqueous or dissolved mass), diffusion into the matrix can slow the advance of the leading edge of the aqueous mass. In this stage of advective mass transport and distribution, the leading edge of aqueous mass does not advance as quickly as advective flow velocities



would suggest because diffusion, sorption, and degradation are attenuating the leading edge of the aqueous mass. The contaminant mass is dispersed in the fracture network, which provides a large total surface area for attenuation processes. Early in the matrix diffusion process, most of the diffused mass occurs as ‘halos’ around discrete fractures (Parker et al., 1994).

As the plume matures, the rock matrix and aqueous fracture concentrations approach equilibrium. In addition, the rate of advance of the leading edge of the aqueous mass slows and stops as the driving concentrations from the source and the attenuation processes in the fractured rock environment reach a dynamic equilibrium. This state of equilibrium is generally achieved after a significant time period (~50 years). At equilibrium in cases with very large initial DNAPL releases, the high initial concentration can drive the matrix diffusion process beyond the typical contaminant halo, to a state of total matrix saturation. This effect is more pronounced in bedrock source areas, where concentrations are highest and the residence time of the contaminant is the longest.

After an extended period of time, as clean water is flushed through the fractures, the concentration gradients adjacent to the fractures (within the rock matrix) reverse, resulting in contaminant removal from the rock matrix at a rate controlled by diffusion and desorption from the matrix. This process is termed “back-diffusion”. Removal of mass due to back-diffusion takes longer than the time period for inward diffusion due to much lower concentration gradients in the reverse direction. In addition, continued inward diffusion toward the center of the matrix blocks (between fractures) occurs until the highest concentration exists in the center of the matrix blocks. In this scenario, the impacted matrix rock becomes a source of contamination to groundwater, and can be the source of contaminant mass for decades to centuries. As a result, these contaminated aquifers cannot be restored to their highest beneficial use (potable water supply) in a reasonable timeframe and at a reasonable cost.

The results of this investigation show:

1) Borehole geophysics indicates that the bedrock beneath the Site is highly fractured and that these pervasive fractures are hydraulically interconnected, serving as the dominant means of groundwater movement. The fractures have two common orientations: parallel to sub-parallel to bedding planes (strike N 65 E dip ~10 NW), or steeply dipping joint sets at a high angle to bedding and generally normal (perpendicular) to one another.

2) The historic pumping of the deep bedrock municipal supply wells at the Spring Lake wellfield, South Plainfield wellfield, the Tingley Lane wellfield, and Park Avenue wellfield influenced the regional and local groundwater gradients. Pumping at South Plainfield (1952-1969) and Spring Lake (1964-2003) shifted groundwater movement at the former CDE facility in a more northerly direction toward Spring Lake. The historic pumping appears to have reversed the shallow groundwater/surface water interactions at Bound Brook. Since the Spring Lake wells stopped pumping in 2003, shallow groundwater in the immediate vicinity of the former CDE facility has the

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potential to discharge to Bound Brook. Today, the Park Avenue and Tingley Lane wellfields influence regional and local hydrogeology.

3) Groundwater underlying and downgradient of the former CDE facility is contaminated with Chlorinated Volatile Organic Compounds (CVOCs).

4) Groundwater samples collected from monitoring well ERT-8, which is south of the former CDE facility, did not contain CVOCs. This well defines the southern edge of groundwater contamination associated with the former CDE facility.

5) Groundwater samples collected from monitoring wells ERT-5, ERT-6, and MW-18, which are located within the Pitt Street Well Contamination Area that is west of the former CDE facility, contained several CVOCs at concentrations that exceed potential cleanup standards. There are several lines of evidence (Section 5.13.2) that suggest the former CDE facility is not the source of impacts in these wells; however, the results are not conclusive. Therefore, the groundwater impacts at ERT-5, ERT-6, and MW-18 have been included in the impacts from the former CDE facility.

6) Groundwater samples collected from monitoring well MW-22, which is northeast of the former CDE facility, did not contain CVOCs at shallow depths, but contained increasing concentrations of CVOCs with increased depth. However, based on our Site Conceptual Model (SCM) and understanding of groundwater flow, the aqueous mass observed in this well is from the former CDE facility. This interpretation has been confirmed by the groundwater flow modeling. This well is most likely proximate to the eastern edge of potential groundwater contamination associated with the former CDE facility.

7) Groundwater samples collected from monitoring well MW-23, which was installed to delineate the northern extent of groundwater contamination, contained TCE at concentrations ranging from 3.8 to 120 micrograms per liter ($\mu\text{g/L}$). These TCE concentrations, which increased with depth, were an order of magnitude less than the concentrations in MW-20, which is the next closest well to the former CDE facility. These data indicate that monitoring well MW-23 is near the northern boundary of the groundwater contamination, but that contaminant mass has moved to the north beyond MW-23, toward the Park Avenue wellfield.

8) Rock matrix samples were collected from rock cores at MW-14S and MW-14D (at the former CDE facility), MW-16 (at the northern edge of the former CDE facility), and MW-20 (adjacent to Spring Lake). The samples were then analyzed for rock matrix VOC contamination. The analytical results showed that CVOCs had diffused into the rock matrix; that chlorinated VOC mass in the rock matrix exceeds the aqueous mass at MW-14S, MW-14D, and MW-16; and that CVOCs were present in the rock matrix at depths of 400 feet bgs as far north as monitoring well MW-20. The largest proportion of VOC mass was detected at MW-14 between 23 and 75 feet bgs, at MW-16 between 50 and 150 feet bgs, and at MW-20 between 255 and 355 feet bgs. These results reflect the influence of the historic water supply pumping.



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9) A distinct, highly transmissive fracture zone was intersected by several boreholes during the investigation, which facilitated downgradient transport of contaminant mass along a preferential (high transmissivity) pathway. While pumping at Spring Lake, South Plainfield, Park Avenue, and Tingley Lane wellfields was occurring, the downward vertical component of the groundwater gradient near the former CDE facility was higher, thereby increasing the downward movement of the contaminant mass from the overburden source area. This fracture zone was capable of conducting the aqueous phase contamination downgradient toward the Spring Lake and South Plainfield pumping wells and beyond.

10) Groundwater samples were analyzed for Volatile Organic Compounds (VOCs) three times: during the ERT event in August 2008, in October 2009 and again in March 2010. Results were generally consistent across all three events. The highest concentration of CVOCs was detected near the center of the former CDE facility at shallow depths between 23 and 75 feet below ground surface (bgs).

11) Reductive dechlorination of CVOCs has occurred in the shallow water bearing zone in the bedrock beneath the overburden source area, and to a limited degree in the intermediate and deep water bearing zones, which is evidenced by the presence of CVOC degradation compounds and groundwater geochemical indicators, and was confirmed by microcosm testing performed using samples collected during the March 2010 sampling event.

12) Rock matrix samples were analyzed for PCB Aroclors and results indicated that all of the detected mass was found in the 23 to 100 feet bgs depth interval in the overburden source area at MW-14.

13) Groundwater samples were analyzed for PCB Aroclors during the August 2008, October 2009, and March 2010 sampling events. Similar to the distribution of CVOCs, the highest concentration of PCB Aroclors was detected near the center of the former CDE facility at MW-14, and nearly all exceedances of the potential groundwater cleanup standard [defined here as the lowest of the Federal Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (GQCs) (NJAC 7:9-6)] are limited to shallow portion of the bedrock aquifer. The horizontal distribution of PCB Aroclors is generally limited to the former CDE facility.

14) Groundwater samples were analyzed for inorganic compounds during the August 2008, October 2009, and March 2010 sampling events. While several inorganic compounds were found at concentrations exceeding potential cleanup standard, the only compound that could likely be attributed to the former CDE facility was lead. Concentrations of lead were detected throughout OU3, but were present consistently at the former CDE facility in the shallow bedrock groundwater at concentrations greater than standards.



15) Groundwater samples were analyzed for PCB Congeners, Dioxins, and Furans during the March 2010 and July 2010 sampling events. The dioxin Toxicity Equivalent Quantity (TEQ) concentrations exceed the potential cleanup standard only within the confines of the former CDE facility.

1. INTRODUCTION

1.1. PURPOSE

The purpose of this RI Report is to present and evaluate the results of the OU3 groundwater investigation conducted at the CDE Superfund Site (Site) in South Plainfield, New Jersey. The RI was conducted by the Louis Berger Group (LBG) and ARCADIS/Malcolm, Inc. (ARCADIS/Malcolm Pirnie) on behalf of the USEPA, Region II and the U. S. Army Corps of Engineers (USACE), Kansas City District. The RI was performed to collect sufficient data to define the nature and extent of groundwater contamination, assess chemical mobility, identify migration pathways, and to assess human health risks associated with contaminated groundwater.

1.2. BACKGROUND AND SETTING

Cornell Dubilier Electronics, Inc. operated at 333 Hamilton Boulevard, South Plainfield, New Jersey from 1936 to 1962, manufacturing electronic parts and components, including capacitors. The company released material contaminated with PCBs and TCE directly onto the soils during its operations. USEPA has detected PCBs in the groundwater, soil and in building interiors at the former CDE manufacturing facility (the former CDE facility) and at nearby residential, commercial and municipal properties. USEPA also has detected PCBs in the surface water and sediments of Bound Brook, which is adjacent to the former CDE facility's southeast corner. The Site has been divided into four OUs by the USEPA. OU1 addresses residential, commercial, and municipal properties in the vicinity of the former CDE facility at 333 Hamilton Boulevard. The USEPA signed a ROD for OU1 in 2003. OU2 addresses contaminated soils and buildings at the former CDE facility. The USEPA signed a ROD for OU2 in 2004. OU3 addresses contaminated groundwater and OU4 addresses Bound Brook. The remedial investigation for OU3 is described herein and the remedial investigation for OU4 will be described in a subsequent report.

As such, the following terminology will be used throughout this report:

The “**Site**” refers to all four OUs which comprise the CDE Superfund Site, and the extent of each OU investigation;

The term “**Off-Site**” refers to any area that is beyond the limits of the former CDE facility (OU2); off-Site areas may still be within the Site.

The “**former CDE facility**” refers to the physical extent of the industrial park operated at 333 Hamilton Boulevard; and

“**OU3**” refers to the geographic extent of the groundwater contamination and associated investigation.



The former CDE facility is located at 333 Hamilton Boulevard in South Plainfield, Middlesex County, New Jersey (Figure 1-1) and covers approximately 26 acres. Most recently, the property was known as the Hamilton Industrial Park. It contained numerous buildings. These buildings were demolished in 2008 following relocation of the industrial park tenants.

The Spicer Manufacturing Company operated a manufacturing plant on the property from 1912 to 1929. They manufactured universal joints and drive shafts, clutches, drop forgings, sheet metal stampings, screw products, and coil springs for the automobile industry. The plant included a machine shop, box shop, lumber shop, scrap shop, heat treating building, transformer platform, forge shop, shear shed, boiler room, acid pickle building, and die sinking shop. A chemical laboratory for the analysis of steel was added in 1917. Most of the major structures were erected by 1918. When the Spicer Manufacturing Company ceased operations at the facility, the property consisted of approximately 210,000 square feet of buildings (FWENC, 2002). Even though TCE was commercially available during the latter half of Spicer Manufacturing Company's period of operation at the former CDE facility, there is no documentation that TCE was used in the manufacturing process during their period of operation at the former CDE facility.

After the departure of the Spicer Manufacturing Company, CDE manufactured electronic components, including capacitors, from 1936 to 1962. It has been reported that the company also tested transformer oils for an unknown period of time. PCBs and chlorinated organic degreasing solvents were used in the manufacturing process, and it has been alleged that during CDE's period of operation, the company disposed of PCB-contaminated materials and other hazardous substances at the facility. It has been reported that the rear of the property was saturated with transformer oils and capacitors were also buried behind the facility during the same time period (FWENC, 2002).

Since CDE's departure from the facility in 1962, it has been operated as a rental property consisting of commercial and light industrial tenants. Numerous tenants have occupied the complex. In 2007, USEPA began implementing the OU2 ROD with the relocation of the tenants at the industrial park and demolition of the 18 buildings. Relocation of the tenants was completed in mid-2007, demolition of buildings was completed in May 2008, and OU2 soil remedial activities are ongoing. A Plan View of the former CDE facility, showing the location of former buildings, is included as Figure 1-2. Table 1-1 summarizes the project history and enforcement activities associated with the Site. Previous investigations have included groundwater sampling, subsurface soil sampling, sediment sampling, building surface sampling, soil gas sampling, indoor air sampling, and hydrogeological studies.

The developed portion of the facility (the northwestern portion) comprised approximately 45 percent of the total land area and contained temporary asphalt capping following building demolition, a system of catch basins to channel storm water flow, and paved roadways. Several of the catch basins drained into a storm water collection system whose outfalls discharge at various locations along Bound Brook. The other 55 percent of the property was predominantly vegetated before the OU2 remedial activities began.



The central part of the undeveloped portion was primarily an open field, with some wooded areas to the northeast and south, and a deteriorated, partially paved area in the middle of the undeveloped portion of the facility. The northeast and southeast boundaries consist primarily of wetland areas adjacent to Bound Brook, which flows from the eastern corner across the northeastern border of the undeveloped portion of the facility (FWENC, 2002). Once OU2 remedial activities are completed (anticipated to be late 2011) the entire former CDE facility will be covered by an asphalt cap with a storm water collection system.

1.3. SITE LOCATION

The Site is located in the Borough of South Plainfield, northern Middlesex County, in the central portion of New Jersey. According to the 2006 Census estimate, South Plainfield has a population of approximately 22,795 people with a total land area of approximately 8.4 square miles (City-Data.com).

The Site includes a fenced, 26-acre facility that is bounded on the northeast by Bound Brook and the former Lehigh Valley Railroad, Perth Amboy Branch (presently Conrail); on the southeast by Bound Brook and a property used by the South Plainfield Department of Public Works; on the southwest, across Spicer Avenue, by single family residential properties; and to the northwest, across Hamilton Boulevard, by mixed residential and commercial properties. The area surrounding the former CDE facility represents an urban environment with principally commercial and light industrial use to the northeast and east, principally residential development to the south and directly north, and mixed residential and commercial properties to the west. In 2007, USEPA began implementing the OU2 ROD with the relocation of the tenants at the industrial park and demolition of the buildings at the former CDE facility. Relocation of the tenants was completed in mid-2007, demolition of buildings was completed in May 2008, and OU2 soil remedial activities commenced in late 2008 and are ongoing.

1.4. INVESTIGATIVE APPROACH

The Site is underlain by interbedded siltstone and mudstone of the Passaic Formation which is part of the Newark Super Group. These geologic formations present unique challenges to characterizing the nature and extent of potential groundwater impacts. One of the most notable challenges is characterizing the mass adsorbed into the matrix (primary porosity) of the bedrock and the role it plays in the mass transport of potential contaminants. A new methodology used in this type of bedrock hydrogeologic investigation is called the DFN approach. The DFN approach described below was used as the foundation to the identification and rationale for the scope of work outlined in Section 1.5 and is the foundation for the bedrock hydrogeologic investigation described in this report.



1.4.1. Occurrence and Movement of Groundwater in Fractured Sedimentary Rock

Fractured sedimentary rock can be very difficult to characterize as it is highly heterogeneous and often anisotropic. The nature of the hydrogeologic system is dependent on a variety of factors, including rock matrix porosity and permeability, as well as fracture orientation, density and size.

Groundwater in fractured sedimentary rock occurs in the pore spaces or matrix of the rock (primary porosity), and in fractures of the rock (secondary porosity). This type of bedrock can be described as a “dual porosity” hydrogeologic system, where the primary porosity is the porosity of the rock matrix (pore spaces) and the secondary porosity is the porosity of the bedrock fractures. The primary porosity of the rock matrix is relatively high, typically between 5% and 20%, because a large volume of water can be stored in the pore spaces of the bedrock. Conversely, the secondary porosity of the rock fractures is relatively low, typically between 0.1% and 0.001%, because a much smaller amount of water can be stored in the fractures. The primary and secondary porosity of a dual porosity hydrogeologic system only refers to the total amount of water stored in the rock matrix (pore spaces) and fractures. It does not have any correlation to movement of water through the rock matrix or fractures.

The degree of interconnectedness of the pore spaces within the rock matrix, termed primary permeability affects the degree to which groundwater can move through the pore spaces or rock matrix. The primary permeability of the rock matrix is very low because even though a large volume of water is stored in the pore spaces of the rock matrix the interconnectivity of the pore spaces of the rock matrix is very low due to the small grain size of the silt, the small pore spaces of the rock matrix, and the fact that a portion of the pore spaces of the matrix has been filled with material that cements the individual silt grains together to form the consolidated bedrock. The degree of interconnectedness of the individual fractures, termed secondary permeability (also known as bulk hydraulic conductivity in fractured bedrock aquifers), affects the degree to which groundwater can move through the fracture network. The secondary permeability of bedrock fractures is often much higher than the primary permeability of the rock matrix.

Therefore, the bedrock matrix has a high porosity (ability to store water) but a low permeability (ability to transmit the stored water). Conversely, the bedrock fractures have a low porosity (ability to store water) but a high permeability (ability to transmit water).

1.4.2. DNAPL Contamination in Fractured Sedimentary Rock

DNAPLs are among the most persistent contaminants in groundwater. When released into the environment, a DNAPL will flow downward through the unsaturated zone. The DNAPL will also flow downward through saturated porous media because it's denser than water. However, DNAPLs are non-wetting fluids and they have a very high surface tension, both of which affect the flow properties of the fluid and can lead to pooling.



Upon reaching the top of fractured sedimentary rock, the DNAPL will pool in areas of low permeability and they will continue to migrate downward through the highly transmissive fracture zones. The typically very low fracture porosity allows the DNAPL to migrate laterally and vertically great distances, far more than it would migrate in an equal volume of a porous medium (Feenstra and Cherry, 1988). DNAPL typically penetrates the fracture network, working into ever smaller openings, creating pools, fingers and disconnected globules of residual contamination. With time, the DNAPL will dissolve into groundwater and move as aqueous mass, which is then subject to dispersion, diffusion, sorption, and degradation (abiotic and biotic) processes (Figure 1-3).

Several groundwater studies have been conducted to understand the dynamic equilibrium between the advective fracture flow of aqueous mass and the diffusion of aqueous mass into the low permeability matrix. These studies show that the diffusion process is driven by the concentration gradient between the aqueous mass in the fracture and the matrix pore water.

In the early stages of aqueous mass movement in fractures, diffusion into the matrix (as well as other processes discussed in Section 6) can slow the advance of the aqueous mass in the fractures. In this stage, the aqueous mass does not move as quickly as groundwater that can be characterized by advective flow velocities because diffusion, sorption, and degradation are attenuating the leading edge of the aqueous mass. The aqueous mass is dispersed in the fracture network, which provides a large total surface area for attenuation processes. Early in the matrix diffusion process, most of the diffused mass occurs as 'halos' around discrete fractures indicating that the mass has penetrated only a short distance into the bedrock (Parker et al., 1994).

As the plume matures, the rock matrix and aqueous fracture concentrations approach equilibrium. In addition, the advance of the aqueous mass in fractures slows and even potentially stops as the aqueous mass concentration gradients in the fractures and matrix reach a dynamic equilibrium. Dynamic equilibrium is generally achieved after a significant time period (~50 years). In cases with large DNAPL releases over a period of time (as evidenced at the CDE Site), the high aqueous mass concentrations can drive the matrix diffusion process beyond the contaminant halo, to where the aqueous mass penetrates more than a few millimeters and totally penetrates the matrix block. This effect more commonly occurs in source areas, where aqueous mass concentrations are highest and the residence time is the longest.

After a significant period (50 years) of time in the fractured bedrock environment, contaminant mass (i.e., DNAPL and or high concentrations of dissolved-phase mass) has been driven into the rock matrix by diffusion and aqueous-phase mass has been transported down gradient from the overburden source area. The aqueous-phase mass concentrations in the fractures will be lower than the mass concentrations driven into the rock matrix. At this point, the process of matrix diffusion will reverse (back diffusion) releasing the mass in the rock matrix (pore water) back to the aqueous-phase in the fractures over a very long period of time (usually in multi-decade-to-multi-century timeframes). In addition, the distal portions of aqueous-phase mass will be stabilized



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because of attenuating processes (diffusion-driven mass transfer into the matrix, sorption, and biotic and abiotic degradation) that can significantly slow or stop the advance of the leading edge of the contaminant mass. However, as a result of on-going back diffusion, these types of impacted aquifers cannot be restored to their highest beneficial use (potable water supply) in a reasonable timeframe and at a reasonable cost.

1.5. SCOPE OF WORK

Based on the conceptual understanding of fractured rock hydrogeology, and contaminant mass transport processes in fractured sedimentary rock, a scope of work was developed to characterize the nature and extent of aqueous mass using the DFN approach (Figure 1-4). The investigation documented in this RI Report was conducted in two phases: the first phase was a limited investigation carried out by the USEPA Emergency Response Team (ERT); the second phase included the OU3 Groundwater RI conducted by Louis Berger and ARCADIS/Malcolm Pirnie.

The scope of work for the investigation documented in this RI Report is listed chronologically by investigation phase and activity.

USEPA ERT Groundwater Investigation: January 2008 – August 2008

- Drill 8 bedrock monitoring wells to 150' below ground surface (bgs),
- Conduct borehole geophysical surveys,
- Conduct borehole transmissivity testing,
- Conduct discrete fracture groundwater sampling using borehole packers,
- Install multi-port FLUTETM system in 7 wells, and
- Collect one round of groundwater samples.

OU3 Groundwater RI: January 2009 - March 2011

- Inspect/repair 12 existing shallow bedrock wells,
- Drill 2 shallow and 11 deep bedrock monitoring wells,
- Conduct rock coring at three deep and one shallow location,
- Conduct rock matrix sampling and analyze for VOCs, PCBs, physical parameters, and Total Organic Carbon (TOC),
- Conduct borehole geophysical surveys,
- Conduct borehole hydraulic profiling,
- Install multi-port FLUTETM system in 15 wells: 13 newly drilled bedrock wells; the Former Production Well (FPW), and one existing bedrock well (ERT-7),
- Install staff gages in Bound Brook and Spring Lake,
- Collect two rounds of groundwater samples,



- Collect three rounds of water level measurements,
- Conduct integrated pumping tests, and
- Conduct 2 and 3-dimensional numerical flow modeling.

1.6. REMEDIAL INVESTIGATION REPORT CONTENT

This RI Report is organized into three volumes. Volume I includes nine sections of text with supporting tables and figures. Volumes II and III include the appendices with chemical, geological, and hydrogeologic data. Each section of text is briefly described below:

Section 1.0 - INTRODUCTION, presents the background and setting, Site location, investigative approach, scope of work, and the organization of the RI Report.

Section 2.0 - SUMMARY OF PREVIOUS INVESTIGATIONS, presents a summary of previous RI activities conducted at the Site.

Section 3.0 – METHODS AND PROCEDURES, presents the methods and procedures used to collect the data presented in this report.

Section 4.0 - PHYSICAL CHARACTERISTICS, presents the meteorology, topography, geology, hydrogeology, hydrology, ecology, demography, and cultural resource survey using existing information and data collected during the RI.

Section 5.0 - NATURE AND EXTENT OF CONTAMINATION, first presents a summary of potential cleanup standards and contaminants of concern, then an interpretation of the results of the rock matrix and groundwater samples collected during the RI.

Section 6.0 - FATE AND TRANSPORT, presents a discussion of the factors that affect the fate and transport of CVOCs in the rock matrix and groundwater.

Section 7.0 – SITE CONCEPTUAL MODEL, presents an element based site conceptual model.

Section 8.0 - CONCLUSIONS, presents the major conclusions of this RI Report.

Section 9.0 - REFERENCES, presents a list of references used in this RI Report.



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2. SUMMARY OF PREVIOUS INVESTIGATIONS

2.1. USEPA REMOVAL ACTIONS FOR SOIL AND SURFACE WATER RUNOFF (1986-2004)

Environmental conditions at the former CDE facility were first investigated by the New Jersey Department of Environmental Protection (NJDEP) in 1986. Subsequent sampling by the NJDEP and the USEPA showed the presence of PCBs, VOCs, and inorganic chemicals in facility soils, sediments, and surface water. In 1997, the USEPA conducted a preliminary investigation of Bound Brook and also collected surface soil and interior dust samples from nearby residential and commercial properties. These investigations lead to fish consumption advisories for Bound Brook and its tributaries. As a result of these sampling activities, the Site was added to the National Priority List (NPL) in July 1998. In addition, the USEPA ordered several removal actions to be performed including:

- In March 1997, the USEPA ordered D. S. C. of Newark Enterprises (DSC) the CDE facility property owner to perform a removal action associated with contaminated soil and surface water runoff from the facility. The removal action included paving driveways and parking areas in the industrial park, installing a security fence, and implementing drainage controls.
- In 1998, the USEPA initiated a removal action to address PCBs in interior dust at houses to the west and southwest of the former CDE facility.
- In 1998, the USEPA ordered CDE and DSC to implement a removal action to address PCBs in soils at six residential properties located to the west and southwest of the former CDE facility. This removal action was conducted by CDE from 1998 to 1999.
- In 1999, the USEPA ordered CDE and Dana Corporation to implement a removal action to address PCBs in soils at seven residential properties located to the west and southwest of the former CDE facility. This removal action was conducted from 1999 to 2000.
- In April 2000, the USEPA entered into an Administrative Order on Consent (AOC) with DSC requiring the removal of PCB-contaminated soil from one additional property located on Spicer Avenue. DSC agreed to perform the work required under the AOC, but subsequently did not do so. In August 2004, the USEPA began the removal of PCB-contaminated soil from this property; the work was substantially completed in September 2004.



2.2. PREVIOUS SOIL INVESTIGATIONS

In 2000, an RI was conducted by Foster Wheeler Environmental Corporation (Foster Wheeler) that included collecting soil, sediment, and building surface samples, as well as installing and sampling 12 shallow bedrock monitoring wells (FWENC, 2002). Shortly thereafter, the USEPA divided the Site into four OUs: OU1 addresses residential, commercial, and municipal properties in the vicinity of the former CDE facility, OU2 addresses former CDE facility soils and buildings, OU3 addresses groundwater, and OU4 addresses the Bound Brook.

In 2001, the USEPA issued the RI and Feasibility Study (FS) for OU1.

In June 2003, the USEPA proposed a remedy for OU1, and the ROD was issued on September 30, 2003. The selected remedy included removing approximately 2,100 cubic yards of contaminated soils from neighboring properties, and removing indoor dust that was contaminated with PCBs.

In August 2001, the RI Report for OU2 was completed. The FS Report for OU2 was completed in April 2004, and the ROD was issued in September 2004. The remedy specified in the ROD included:

- Excavating an estimated 107,000 cubic yards of contaminated soil containing PCBs at concentrations greater than 500 parts per million (ppm) and contaminated soils that exceed New Jersey's Impact to Groundwater Soil Cleanup Criteria (IGWSCC) for contaminants other than PCBs;
- Treating (on-Site) excavated soils amenable to treatment by Low Temperature Thermal Desorption (LTTD), followed by backfilling of excavated areas with treated soils;
- Transporting contaminated soil and debris not suitable for LTTD treatment to an off-Site facility for disposal, with treatment as necessary;
- Excavating an estimated 7,500 cubic yards of contaminated soil and debris from the Capacitor Disposal Area (CDA) and transporting for disposal off-Site, with treatment as necessary;
- Installing a multi-layer cap or hardscape;
- Installing engineering controls;
- Restoring property; and,
- Implementing institutional controls.

In late 2006, OU2 Remedial Action began with the removal of former CDE facility structures, followed by excavation, treatment, and/or removal of former CDE facility soils. The OU2 Remedial Action activities are ongoing.



2.3. PREVIOUS GROUNDWATER INVESTIGATIONS

The Pitt Street Private Well Study was conducted in South Plainfield by NJDEP in the late 1980s, and it revealed the presence of Tetrachloroethene (PCE) and TCE, and their associated degradation byproducts (cis 1,2-Dichloroethene (cDCE), 1,1-Dichloroethene, and Vinyl Chloride (VC)) and other CVOCs (carbon tetrachloride and chloroform), in residential wells to the south and west of the former CDE facility. In addition to these CVOCs, other non CVOCs were detected, including Methyl-Tert-Butyl Ether (MTBE) and xylene. During previous investigations, several potential sources have been identified within a one-mile radius of the Pitt Street Private Well Study area. However, none have been identified as the source of the regional groundwater contamination in South Plainfield, and NJDEP has designated this area as a Currently Known Extent (CKE) of groundwater contamination.

The Foster Wheeler 2000 RI included a groundwater investigation at the former CDE facility. The investigation included installing and sampling 12 shallow bedrock monitoring wells (MW-01A, MW-02A, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, and MW-12) to evaluate groundwater quality in the shallow bedrock. The results documented concentrations of VOCs, PCBs, pesticides, and inorganics in bedrock groundwater. These data were presented in the Data Evaluation Report for Cornell-Dubilier Electronics Superfund Site, South Plainfield, Middlesex County, New Jersey (FWENC, 2001).

In 2008, USEPA initiated a monitoring well installation program using the ERT group to drill eight bedrock wells to a depth of 150 feet below ground surface (bgs). As part of the well installation program, ERT conducted borehole geophysics, borehole hydraulic profiling, and conducted preliminary groundwater sampling of specific borehole zones using borehole packers to isolate discrete fracture zones. These data were evaluated and used to design permanent FLUTETM multi-level sampling devices (FLUTETM wells) which were installed in seven of the eight boreholes. Due to technical difficulties, the last FLUTETM well (ERT-7) was not installed until the OU3 Groundwater RI.

Results of the January 2008 preliminary groundwater sampling indicate the presence of CVOCs in 11 of the 12 shallow bedrock wells located at the former CDE facility. TCE concentrations ranged from 4 micrograms per liter (µg/L) in MW-02A to 186,000 µg/L in MW-11. Results of groundwater samples collected using packers to isolate specific intervals of the open borehole from the eight deep bedrock wells indicate the presence of TCE in all but one well (ERT-8). TCE concentrations ranged from 1.5 µg/L in ERT-1 to 2,250 µg/L in ERT-2. Figure 2-1 summarizes the results of the preliminary groundwater sampling conducted in January 2008. Figure 2-2 shows the groundwater movement direction in the shallow bedrock monitoring wells in 2000, as interpreted by Foster Wheeler Environmental Corporation, 'Data Evaluation Report' (FWENC, 2001).

In August 2008, ERT conducted a synoptic round of groundwater sampling that included the 12 shallow bedrock wells installed by Foster Wheeler, and the seven newly installed FLUTETM wells. Groundwater samples were analyzed for VOCs, Semi-Volatile Organic



SUMMARY OF PREVIOUS INVESTIGATIONS

Compounds (SVOCs), PCB Aroclors, pesticides, and metals. The results of the August 2008 sampling event are presented and discussed in Section 5 of this report.

3. METHODS AND PROCEDURES

This section describes the methods and procedures used to execute the scope of work outlined in Section 1.5 of this report. The OU3 Groundwater RI was conducted in accordance with the USEPA-approved OU3 Final Remedial Investigation/Feasibility Study (RI/FS) Work Plan (Malcolm Pirnie, 2008), OU3 Final Field Sampling Plan (FSP) (Malcolm Pirnie, 2008a), and OU3 Final Quality Assurance Project Plan (QAPP) (Malcolm Pirnie, 2008b).

3.1. USEPA 2008 PRELIMINARY GROUNDWATER INVESTIGATION

USEPA ERT conducted a limited preliminary bedrock groundwater investigation, as described previously. The methods and procedures of the preliminary OU3 investigation, from borehole drilling to FLUTETM well installation, were documented in a Draft Technical Memo dated September 15, 2008. The August 2008 groundwater sampling event conducted by ERT was documented in the report titled Superfund Support Team Sampling Report for the Cornell- Dubilier Electronics Superfund Site in South Plainfield, Middlesex County, New Jersey. The draft technical memo and the report are attached as Appendix A. The August 2008 sampling results are discussed in Section 5 of this report.

3.2. OU3 GROUNDWATER REMEDIAL INVESTIGATION

Beginning in January 2009, ten deep bedrock monitoring wells were drilled and constructed as part of the approved scope of work for the OU3 Groundwater RI; three were located at the former CDE facility (MW-14D, MW-15D, MW-16) and seven at surrounding locations (MW-13, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22) to further delineate the nature and extent of groundwater contamination. In addition to the original approved scope, one FPW was discovered during the course of the RI, and was converted into a FLUTETM well, and the installation of a FLUTETM well was completed at ERT-7. Two additional shallow FLUTETM wells were drilled and constructed during the initial field mobilization (MW-14S and MW-15S) to allow characterization of the entire rock column while minimizing the potential for inter-borehole migration of shallow contaminants to greater depths during the drilling process. Finally, one additional FLUTETM well (MW-23) was drilled and constructed at the northern edge of OU3 in late 2010 to address a data gap. In total, 13 newly drilled wells and two existing wells were constructed as FLUTETM wells for use during the OU3 Groundwater RI. All drilling was carried out by Advanced Drilling, Inc. of Pittstown, NJ; their report is attached as Appendix B.



3.2.1. MONITORING WELL INSTALLATION

Each new monitoring well was drilled according to the requirements listed in N.J.A.C. 7:14A-6.13. A variance to the NJDEP well installation requirements was requested and granted by the NJDEP to install a FLUTETM multiport well in each borehole. The request forms and approved final permits are included in Appendix B. The well construction logs (including the ERT wells) are presented in Appendix C.

3.2.1.1. Matrix Diffusion Sampling (Bedrock Core Sampling)

Pilot borings were initially drilled at four of the new monitoring well locations (MW-14S, MW-14D, MW-16, MW-20) using a wire line coring rig to collect 2.5-inch diameter continuous rock cores for lithologic characterization and rock matrix diffusion sampling (for VOCs, PCBs, physical properties, and TOC). The concentrations of select chemical contaminants in the rock matrix were analyzed at each location. Core drilling was conducted by Advanced Drilling of New Jersey, rock matrix sampling and VOC matrix sample analyses were conducted by Stone Environmental of Vermont; matrix physical property analyses were conducted by Golder Associates of Ontario, Canada; PCB matrix sample analyses were conducted by Liberty Analytical Corporation of North Carolina; and TOC matrix sample analyses were conducted by Accutest Laboratories of New Jersey. IDW generated during the drilling operations and coring was collected in 55-gallon drums and removed by a licensed waste hauler, as described in Section 3.2.8.

Drilling/Core Collection

After installation of the temporary surface casing, as described in Section 3.2.1.2, bedrock coring began at the top of competent bedrock, using an HQ-sized core barrel, which produced bedrock cores that were 2.5 inches in diameter and typically between 4 and 5 feet long. MW-16 was continuously cored to a final depth of 250 feet bgs. MW-14S was continuously cored to a final depth of 69 feet bgs. MW-14D, located adjacent to MW-14S, was cased and grout sealed to 70 feet bgs, and then continuously cored from 70 feet bgs to a final depth of 233 feet bgs. MW-20 was continuously cored to a final depth of 413 feet bgs.

Upon their removal from the borehole, the rock cores were described, logged, and photographed. Prospective rock matrix sample intervals were selected and recorded. The rock cores were placed in core boxes with depth intervals labeled, and the core boxes were temporarily stored at the former CDE facility. A detailed description of the cores can be found in Appendix D. A description of the logging and sampling procedure can be found in Appendix E.

Rock Core Sample Collection for VOC Analyses

A total of 465 split rock core samples were collected for analyses of select VOCs (including 21 field duplicates and 21 matrix spike samples) from a combined total of 824 linear feet of rock core. Sample locations were determined based on fracture distribution,



with a minimum sample frequency of one sample for every two feet of core. Samples for VOC analyses were collected from fractured sections and surfaces as well as massive, unfractured sections of core. The rock core samples used for VOC analyses were processed, extracted, and analyzed in an on-Site mobile laboratory by Stone Environmental. A detailed description of procedures can be found in Appendix E.

Rock Core Sample Collection for Physical Property Analyses

A total of 44 rock core samples were collected for analyses of Physical Properties (including 2 field duplicates). Physical properties include moisture content, porosity, and bulk density. Physical property samples were collected after VOC samples were collected, with a minimum sample frequency of one sample for every 20 feet of core. Samples were wrapped in foil, plastic wrap, and vacuum sealed to limit moisture loss. The rock core physical property samples were preserved with ice, and shipped to Golder Associates for analysis. A detailed description of the sampling procedure can be found in Appendix E.

Rock Core Sample Collection for PCB Analyses

A total of 212 rock core samples were collected for analyses of PCBs (including 21 duplicates) from similar depths/intervals as VOC samples were collected in MW-14S, MW-14D, and MW-16. The collection of rock core for PCB analyses was limited to locations at the former CDE facility; therefore rock core samples were not collected for PCB analyses from MW-20. The rock core PCB samples were processed, weighed, and placed in sample jars in an on-Site mobile laboratory by Stone Environmental. The samples were transferred to the ARCADIS/Malcolm Pirnie sample manager, preserved with ice, and shipped to Liberty Analytical Corporation for analysis. A detailed description of the sampling procedure can be found in Appendix E.

Rock Core Sample Collection for TOC Analyses

A total of 43 rock core samples were collected for analyses of TOC (including 3 duplicates) from similar depths/intervals as the Physical Property samples. TOC samples were collected after Physical Property samples were collected, with a minimum sample frequency of one sample for every 20 feet of core. The rock core TOC samples were processed, weighed, and placed in sample jars in an on-Site mobile laboratory by Stone Environmental. The samples were transferred to the ARCADIS/Malcolm Pirnie sample manager, preserved with ice, and shipped to Accutest Laboratories for analysis. It should be noted that one TOC sample, CDEMDMW16043.50TOC, was collected but not analyzed due to improper preservation. A detailed description of the sampling procedure can be found in Appendix E.

3.2.1.2. FLUTe™ Well Design and Installation

The monitoring well borings were drilled using a combination of techniques; hollow stem augers in the unconsolidated overburden, and water-rotary methods in bedrock. At each



well location, a 12-inch diameter boring was drilled through the unsaturated overburden to the top of competent bedrock and a temporary 12-inch steel surface casing was placed in the hole. A 10-inch diameter borehole was then drilled approximately 10 feet into competent bedrock, and a permanent six-inch diameter steel surface casing was lowered into the borehole. Cement-bentonite grout was injected from the bottom of the annular space up to the ground surface to secure the permanent surface casing into bedrock. The temporary surface casing was immediately removed, and the grout was allowed to cure for 24 hours. Coring/drilling resumed until the final depth of each well was reached.

Immediately upon completion of drilling, a temporary FLUTETM liner was installed to minimize the potential for intra-borehole hydraulic communication. The borehole liner was then removed to conduct a suite of geophysical analyses including: caliper logging; fluid temperature and resistivity; intra-borehole vertical flow under ambient and pumping conditions; and acoustic televiewer logging (Appendix F). Hydraulic profiling of the boreholes was completed during the re-installation of the temporary FLUTETM liner using the “liner drop test” method (Appendix G). Data collected from the hydraulic profiling tests, borehole geophysics, matrix diffusion analyses, and drilling observations recorded by the field geologist were evaluated to select the multi-port intervals (Table 3-1).

In addition, temporary non-aqueous phase liquid (NAPL) absorbent liners were installed in MW-14D, MW-15S, MW-15D, MW-16, and MW-17 to test for the presence of NAPL at these locations. The results are discussed in Section 5.

3.2.2. STAFF GAGES

At the beginning of the OU3 Groundwater RI, three staff gages were installed in Bound Brook (SG-1, SG-2, and SG-3), near the former CDE facility at the locations shown on Figure 3-1. Each staff gage consisted of a 6.5 foot long x 2 inch long manufactured steel gage (marked in feet and tenths of a foot) secured to an angle-iron post near the true left bank and within the main channel flow of Bound Brook. During the winter of 2009-2010, immediately prior to the March 2010 sampling event (as discussed in the next section), flooding of Bound Brook destroyed two of the three staff gages. Subsequently, four new staff gages were installed (leaving five staff gages total) prior to the third round of groundwater measurements: SG-1 was unchanged, SG-2 and SG-3 were replaced at their previous locations; one staff gage was installed adjacent to MW-20 in Spring Lake (SG-4); and one staff gage was installed adjacent to MW-21 in Bound Brook (SG-5), also shown on Figure 3-1.

3.2.3. WATER LEVEL MEASUREMENTS

During the OU3 Groundwater RI, three rounds of synoptic water levels were measured at the new monitoring wells (MW-13, MW-14S, MW-14D, MW-15, MW-16S, MW-16D, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, ERT-7), existing monitoring wells (MW-01A, MW-02A, MW-03, MW-04, MW-05, MW-06, MW-07, MW-08, MW-09, MW-10, MW-11, MW-12, ERT-1, ERT-2, ERT-3, ERT-4, ERT-5, ERT-6, and ERT-8),

the FPW, the three Bound Brook staff gages during round one, and the five staff gages during round three.

Hydraulic heads were measured in the FLUTe™ wells using manual water level meters and pressure transducers installed within selected ports of selected wells. Permanent pressure transducers were installed in ERT-2, ERT-3, and ERT-4 by the USEPA during the 2008 investigation. Permanent pressure transducers were also installed in ERT-7, MW-13, MW-14S, MW-14D, MW-15S, MW-15D, MW-16, MW-17, MW-20 and FPW during the OU3 Groundwater RI.

At each of the monitoring well locations, the vault or well covers were first removed and the organic vapor level escaping from the well was monitored using a Photo-Ionization Detector (PID) and recorded in the field notebook. A product/water interface meter was grounded to the steel casing and the probe was slowly lowered into the well until water was encountered. The date, time, well number, and depth to water was recorded in the field notebook. If free product, such as NAPL, was detected in the well, its presence and thickness was also recorded. The cable and probe of the interface meter was decontaminated between use at each well by washing with Alconox and tap water, followed by a rinse with deionized water.

Water levels at the staff gages in Bound Brook were measured from the gages to the nearest 0.01 feet. The date, time, staff gage number, and depth to water was recorded in the field notebook.

3.2.4. GROUNDWATER SAMPLING AND ANALYSIS

Aqueous groundwater samples were collected from the 129 shallow and deep monitoring wells/ports during two synoptic rounds of groundwater sampling (October 2009 and March 2010) for VOC, SVOC, inorganic, PCB Aroclor, and pesticide analyses. Groundwater samples were also collected from selected shallow and deep monitoring wells/ports during two rounds (March 2010 and July 2010) for PCB congeners, dioxins, and furans. Microbiological testing was performed on groundwater samples collected from 20 wells/ports in March 2010. Additionally, the single FLUTe™ well (MW-23) installed late in 2010 was sampled twice, in December 2010 and March 2011. All sampling events, sampling locations, and analytical methods are summarized in Table 3-2.

3.2.4.1. Monitoring Well Purging Procedures

The shallow bedrock monitoring wells (MW-01A, MW-02A, MW-03, MW-04, MW-05, MW-06, MW-07, MW-08, MW-09, MW-10, MW-11, MW-12) were purged according to USEPA Region II Low Flow Sampling Procedures outlined in Appendix H. A two-inch submersible pump with dedicated Teflon tubing was lowered into the well until the pump intake was positioned in the center of the well screen. The pumping rate was set between 100-250 milliliters per minute (ml/min) to maintain less than 0.3 feet of drawdown. Groundwater samples were collected after field parameters (i.e., oxidation-reduction



potential, pH, turbidity, temperature, conductivity, and dissolved oxygen) stabilized and after the drawdown recovered to 75 percent of its initial level (refer to the discussion on insufficient yield in the USEPA low flow sampling procedures).

The deep monitoring wells equipped with FLUTE™ multiport systems were purged in accordance with Flexible Liner Underground Technologies, Ltd. L. C. 2009 sampling guidelines (Appendix I). The water level was measured manually in the “pump tube” using a bead type electric water level meter. Then, a nitrogen gas driver source was connected to the gas drive tube for the port and the regulator set to the recommended purge pressure. The tube water was then expelled at the recommended purge pressure and the water collected to verify the quality of the purge. Water flow was noted at the time of the purge stroke. The purge was repeated twice; each time the water volume collected to verify that the amount removed was equal to or greater than the “port tube” volume. Once the tubing refilled, the driving pressure was reduced to the “sampling pressure” and a discard volume was purged and disposed of as IDW. The pressure was reduced, if needed, to reach a flow of approximately 100 to 250 millimeters per minute to optimize sample collection. Once sample collection was completed, the system was purged one final time by raising the driving pressure to the purge pressure value.

The purge water for both low flow and FLUTE™ wells was collected in 55-gallon drums and removed by a licensed waste hauler, as described in Section 3.2.8.

3.2.4.2. Groundwater Sampling Procedures

Groundwater samples were collected immediately after field parameters stabilized. A piece of plastic sheeting was placed over and around the monitoring well to create a 5 x 5 foot clean surface for the sampling equipment and sample bottles to be placed upon. Groundwater samples were collected from the conventional monitoring wells using a two-inch submersible pump set at a flow rate of 100 to 250 ml/min, according to USEPA low flow sampling procedures (Appendix H). Samples from the FLUTE™ ports were collected as described above. Two 40-ml vials for Target Compound List (TCL) VOCs were filled first, leaving no air bubbles. All other sample bottles were filled to the shoulder. Samples requiring preservation were tested and preserved in the field. Samples were collected in the following order, where applicable:

- Field measurements: redox, pH, turbidity, temperature, conductivity, and dissolved oxygen,
- TCL VOCs,
- TCL SVOCs,
- PCBs (Aroclors),
- Target Analyte List (TAL) Metals (unfiltered)
- Cyanide, and
- Geochemistry Parameters



Geochemical as well as microbiological samples were also collected during the second synoptic event. The sample bottles were placed in a cooler at 4°C and sent to a USEPA Contract Laboratory Program (CLP) and Non-Routine Analytical Services (non-RAS) laboratory for analysis.

All sampling equipment entering the well was handled with phthalate-free (natural rubber or neoprene) gloves to prevent contamination. The Teflon tubing used with the two-inch submersible pump, gloves, and polyethylene sheeting were replaced between sampling locations to prevent cross contamination.

Data recorded in the field logbook and sampling logs included:

- Name and location of job,
- Well and sample identification numbers,
- Date of sample collection,
- Method of purging and sample acquisition,
- Depth to water,
- Volume of water removed during purging,
- Redox, pH, turbidity, temperature, conductivity, and dissolved oxygen,
- Organic vapor levels, and
- Type of analysis.

The logs of the groundwater sampling are presented in Appendix J.

3.2.4.3. Groundwater Analyses

During the October 2009 event, groundwater samples were collected and analyzed for organic parameters including VOCs, SVOCs, pesticides, and PCB Aroclors by the assigned USEPA CLP laboratory. Additional details can be found in the OU3 Final Remedial Investigation/Feasibility Study (RI/FS) Work Plan (Malcolm Pirnie, 2008), OU3 Final Field Sampling Plan (FSP) (Malcolm Pirnie, 2008a), and OU3 Final Quality Assurance Project Plan (QAPP) (Malcolm Pirnie, 2008b).

Event 1 groundwater samples were also analyzed for inorganic parameters (metals and Cyanide) by the assigned CLP laboratory. Additional analyses were conducted on a subset of the Event 1 samples for dissolved gases, total alkalinity, chloride, hardness, ferrous iron, nitrate, nitrite + nitrite, sulfate, total organic carbon, and dissolved carbon performed by a non-CLP subcontract laboratory.

During the March 2010 event, groundwater samples were analyzed for organic parameters including VOCs, SVOCs, pesticides, and PCB Aroclors and for the inorganic parameters by the assigned CLP laboratory. A subset of samples were also analyzed for dissolved gases, total alkalinity, chloride, hardness, ferrous iron, nitrate, nitrite + nitrite, sulfate, total organic carbon, and dissolved carbon performed by a non-CLP laboratory.



In addition, 24 groundwater samples, two duplicates, and two field blanks were collected and analyzed for PCB congeners, dioxins, and furans.

In the July 2010 event, a second round of samples was collected for PCB congeners, dioxins, and furans from the same wells as collected in March 2010. Again the samples were analyzed by the assigned CLP laboratory.

In December 2010 and March 2011, two rounds of groundwater samples were collected at the last installed FLUTETM well (MW-23). All of the samples were analyzed for VOCs, SVOCs, pesticides, inorganics (metals and Cyanide), and PCB Aroclors by assigned CLP laboratories.

All the chemistry data received from CLP laboratories were validated by the USEPA. Non-CLP laboratory data including the on-Site VOC bedrock data and all subcontract chemistry data were validated by an experienced ARCADIS/Malcolm Pirnie data validator as described in Section 3.2.5 below.

3.2.5. DATA VALIDATION

Data validation for CLP data collected was performed by USEPA Region II data validators in accordance with the following USEPA protocols:

- USEPA Region II, SOP No. HW-2, Revision 13, Evaluation of Metals Data for the CLP Program.
- USEPA Region II, SOP No. HW-34, Revision 1, Data Validation SOP for Organic Trace Concentration VOCs under SWO SOM01.2.
- USEPA Region II, SOP No. HW-35, Revision 1, Data Validation SOP for Organic Analysis of Low/Medium Concentration SVOCs under SOW SOM01.2.
- USEPA Region II, SOP No. HW-36, Revision 1, Data Validation SOP for Organic Analysis of Low/Medium Concentration Pesticides under SOW SOM01.2.
- USEPA Region II, SOP No. HW-19, Revision 1, Data Validation SOP for Organic Analysis of Low/Medium Concentration Aroclors under SOW SOM01.2.
- USEPA Region II, SOP No. HW-46, Revision 1, Data Validation, SOP for Review of PCB Congener Data, December 2006.
- USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA-540-R-04-009, January 2005.
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540-R-04-004, October 2004.



The bedrock VOC data and all the other non-CLP chemistry data reported by subcontract laboratories were validated by an experienced data validator in accordance with USEPA protocols and the requirements in the QAPP. The results of the data validation are discussed in more detail in the Quality Control Summary Reports found in Appendix K.

3.2.6. SURVEYING

The locations of the existing and newly installed multi-port monitoring wells, the shallow bedrock monitoring wells, and staff gages were surveyed in October 2009. All monitoring wells and staff gages were surveyed to determine the elevation of the top of each well casing or gage, protective casing, and sampling ports relative to Mean Sea Level (MSL) datum (NAD 1983/NAVD 1988). An additional survey was conducted in July 2010 to capture the newly installed staff gages, piezometers, the two additional pumping test wells (described in the next section), and the monitoring well that had not been captured during the October 2009 mobilization. Lastly, MW-23 was surveyed in March 2011.

3.2.7. INTEGRATED PUMPING TEST

Two test wells were installed in June 2010 to collect data to further quantify the potential contaminant mass flux and to assess potential remedial alternatives. The test wells were installed in the vicinity of MW-14S, MW-14D, and MW-11 at the former CDE facility, based on the location of greatest contamination observed during the previous investigations (FWENC, 2002) and the occurrence of elevated VOC and PCB concentrations in the rock matrix.

Two integrated pumping tests were conducted near the overburden source area at MW-14S/D, one at a depth near the top of bedrock (43 feet bgs to 63 feet bgs) and one in the more productive fracture zone found at a depth of 65 feet bgs to 85 feet bgs. The purpose of the tests was to evaluate the potential contaminant mass discharge (flux) from the source area near MW-14S/D and to delineate the area of influence created by pumping at the pumping rates. The Test Well SW was pumped for 8 hours at 0.25 gallons per minute (gpm) and 40 hours at 0.11 gpm. Test Well TW was pumped for 48 hours at 8 gpm. Groundwater samples were collected from the pump discharge during each test for analyses of VOCs and PCB Aroclors. A detailed description of the Integrated Pumping Test procedures and results is found in Appendix L.

3.2.8. INVESTIGATION DERIVED WASTES

All decontamination fluids, drill cuttings, slurries and excess grout, recirculation water and well development purge water resulting from the installation and development of monitoring wells and groundwater sampling is considered IDW and was transported from each drilling location to a secure, temporary holding location at the former CDE facility by a NJDEP licensed waste hauler. All liquid IDW was transported to and stored in a 10,000 gallon 'Frac Tank' or equivalent. Drill cuttings and excess grout were stored in



DOT-approved 55-gallon drums. Drums containing cuttings or other solids were permanently numbered and labeled with the date and contents.

The IDW subcontractor (licensed waste hauler) completed the work necessary for the appropriate disposal of all drummed water, wastes and drill cuttings generated from this investigation. Composite samples were collected and analyzed for Resource Conservation and Recovery Act (RCRA) characteristics and Toxicity Characteristic Leaching Procedure (TCLP) parameters. Copies of the waste profiles and manifests are included as Appendix M. The IDW waste characterization reports were evaluated, and the IDW was either transported off-Site for disposal by the IDW subcontractor, or the OU2 contractor was tasked with the on-Site treatment and disposal of IDW generated during the OU3 Groundwater RI.

3.2.9. ENVIRONMENTAL DATABASE SEARCH

Environmental Data Resources, Inc. (EDR) was contracted to provide a database search of environmental records for properties in the Study Area. The EDR report is included in Appendix N.

3.2.10. WATER SUPPLY WELL SEARCH

A search was conducted using NJDEP records to identify private or public water supply wells located within five miles of the former CDE facility. A summary of wells including owner information, well locations, well depths, and completion date is included in Appendix O.

3.2.11. MICROCOSM TESTING

Bioremediation Consulting, Inc. (BCI) was contracted to provide testing of microbiological parameters of OU3 groundwater (Table 3-2). The testing is described in greater detail in Section 5.11.1 of this report.

3.2.12. GROUNDWATER MODELING

A numeric groundwater model was constructed and calibrated in MODFLOW using field investigation derived data, public water system production data, and open source regional geologic literature. The model was used to simulate the OU3 groundwater flow system, and to assess advective groundwater transport (Appendix P). A 2-dimensional numerical model called FRACTRAN was used to simulate the fate and transport of select dissolved compounds. The FRACTRAN results are included in the Feasibility Study for OU3. A detailed discussion of MODFLOW modeling procedures is included in Appendix P of this report.



4. PHYSICAL CHARACTERISTICS

This section describes the physical characteristics of the Site. Included in this section are: demography, meteorology, topography, geology, hydrogeology, surface water hydrology, and ecology.

4.1. DEMOGRAPHY

The CDE Superfund Site is located in the Borough of South Plainfield in northern Middlesex County, New Jersey. The Site lies within a section of the Borough of South Plainfield that can be characterized as an urban area. The land surrounding the former CDE facility is primarily commercial/light industrial to the northeast and east, residential to the south and north, and mixed residential/commercial to the west. The former CDE facility is currently zoned as commercial/industrial.

According to the population estimates of the 2010 Census, the Borough of South Plainfield has a population of approximately 23,385 people. Approximately 63.5% of the population are between the ages of 18 and 65, 23% are between the ages of 1 and 18, and 13.5% are 65 years or older. The 2010 American Community Survey estimates that the approximate racial breakdown of South Plainfield's population includes White (66.7%), Black or African American (10.1%), Asian (14.7%), and other racial and ethnic groups (8.5%). Between 2006 and 2010, the median household income was \$92,263, and the percentage of the population of the Borough of South Plainfield at or below the poverty level was 4.0% (census.gov).

The area within 1.5 miles of the CDE Superfund Site contains eight schools and five parks. Two elementary schools are located approximately 2,000 feet from the former CDE facility (one to the north and one to the south).

4.2. METEOROLOGY

The climate for Middlesex County is classified as temperate. Polar continental air masses control the region's winter weather and tropical air masses control summer weather. In the summer these tropical air masses, largely originating over the Gulf of Mexico, travel about 1,000 miles over land before arriving in New Jersey. Although the heaviest rains are produced by coastal storms of tropical origin, a portion of the storm systems originate from the Great Lakes. Prevailing winds are from the northwest from October through April, and from the southwest the remainder of the year.

In South Plainfield, the temperature ranges from an average of 29 degrees Fahrenheit in January to an average of 75 degrees Fahrenheit in July, with an average annual temperature of about 53 degrees Fahrenheit (FWENC, 2002). Summer temperatures



occasionally exceed 100 degrees Fahrenheit and temperatures in the middle to upper 80's (degrees Fahrenheit) occur frequently. Winter temperatures generally are not below 20 degrees Fahrenheit for long periods of time (FWENC, 2002). The average annual precipitation is approximately 49 inches (Figure 4-1). Precipitation typically occurs evenly throughout the year.

4.3. TOPOGRAPHY

Prior to ongoing OU2 remedial activities, the northwestern portion of the former CDE facility contained 18 buildings and comprised approximately 45 percent of the total land area. This northwestern portion of the former CDE facility was gently sloping, with pre-building demolition elevations ranging from approximately 70 to 82 feet above msl. The other approximately 55 percent of the property was undeveloped and was predominantly vegetated. The central part of the undeveloped portion was primarily a flat open field, with some wooded areas to the south. A paved area in the middle of the former CDE facility is where capacitor-related debris had been observed. This area was relatively level, with pre-OU2 remediation elevations ranging from approximately 71 to 76 feet above msl. The property drops steeply to the northeast and southeast, and the eastern portion of the property consists primarily of wetland areas bordering Bound Brook. Elevations in this area ranged from approximately 71 feet above msl at the top of the bank to approximately 60 feet above msl along Bound Brook (Foster Wheeler, 2001). Ongoing OU2 remediation activities at the former CDE facility have changed much of the surface topography during the course of the OU3 investigation. At the conclusion of OU2 remedial activities, the former CDE facility will be covered by an asphalt cap, gently sloping from the southwest to the northeast; storm water will be collected by a series of catch basins and a detention basin, and will ultimately discharge to Bound Brook.

The topographic character of the broader OU3 region is generally considered to be low relief with frequent surface water features incised into unconsolidated glacial overburden. Standing in contrast is the Raritan Terminal Moraine that lies 2,000 feet to the east of the former CDE facility and the Watchung Mountains that lie 4 miles to the northwest and rise nearly 500 feet above the plains. Each of these features acts as a surface water divide. The potential impact of each of these features on the hydrogeologic regime is characterized more thoroughly in Appendix P.

4.4. GEOLOGY

The discussion of the regional geology presented in this section is based on published geologic data. The OU3-specific geology summarized below is based on the Final RI Report for OU2 Facility Soils and Buildings (FWENC, 2002), and LBG and ARCADIS/Malcolm Pirnie's interpretation of the data collected during the OU3 Groundwater RI.



4.4.1. Regional Geology

The Site lies within the Piedmont Physiographic Province (Fenneman, 1938). The Piedmont is characterized by a wide, rolling plain divided by a series of high ridges, which are developed from folded and faulted sedimentary rocks of Triassic and Jurassic age and igneous rocks of Jurassic age. The highest elevation in the province is Barren Ridge (914 feet above msl) on the northern side of the Hunterdon Plateau, located to the northwest of the Site. Along the foot of the Highlands, the elevation of the Piedmont generally ranges from 300 to 400 feet above sea level. The province slopes from the foot of the Highlands toward its southeastern boundary with the Coastal Plain Province (Fenneman, 1938).

4.4.1.1. Surficial Geology

Quaternary and pre-Quaternary glacial and glacial-fluvial deposits overlie bedrock across much of the northern portion of New Jersey. Based on regional surficial geologic mapping for the area, unconsolidated deposits in the vicinity of the Site include sandy, silty clay to clayey, silty sand containing some shale, mudstone, and sandstone fragments. As shown on Figure 4-2, these deposits are associated with recent alluvial and wetland (swamp and marsh) deposition, and earlier glaciofluvial plain deposits. Extensive eolian (wind-driven) deposits are present to the west of the Site, derived from the earlier glaciofluvial plain deposits to the north and east of the Site. Surficial deposits underlying the Site are generally identified as regolith derived from weathering of shale, mudstone, and sandstone. The unconsolidated deposits are up to 30 feet thick regionally, but are generally less than 10 feet thick (FWENC, 2002) in the vicinity of the former CDE facility.

4.4.1.2. Bedrock Geology

The Site is located within the Newark Basin, which is a tectonic rift basin that covers roughly 7,500 square kilometers extending from southern New York through New Jersey and into southeastern Pennsylvania (Figure 4-3). The basin is filled with Triassic to Jurassic aged sedimentary and igneous rocks that are tilted, faulted, and locally folded. Most of the tectonic deformation occurred during the Late Triassic to Middle Jurassic. The Newark Basin is believed to have evolved from a series of smaller, isolated sub-basins occurring along several normal faults early in the Late Triassic (Schlische, 1992). As continental extension continued the basin grew in width and length, and was filled with sedimentary deposits derived from the erosion of the Stockton Formation. The Stockton Formation sandstones and conglomerates transition into argillite, mudstone, shale, and siltstone derived from lakebed and mudflat deposits of the Lockatong and Passaic Formations. Figure 4-3 shows the stratigraphic units of the Newark Basin and Figure 4-4 shows a geologic cross-section through the region.

The Passaic Formation (historically known as the Brunswick Formation) occupies an upper unit of the Newark Supergroup rocks in the Triassic-Jurassic Newark Basin (Herman, 2001). The bedrock associated with this formation is derived from thousands of feet of sediments that filled the Newark Basin over a period of about 45 million years. The Passaic Formation is the thickest and most areally extensive unit in the Newark Basin. The Passaic Formation in the northern half of the State has been folded, faulted, and fractured during multiple tectonic events spanning hundreds of millions of years. This has contributed to the highly fractured nature of the bedrock in this area. This formation consists of mostly red mudstone, siltstone, and shale derived from lacustrine sediments, with minor fluvial sandstone (Michalski and Britton, 1997). The reddish color originates from the inclusion of hematite-rich sediments, which comprise approximately 5 to 10 percent of the unit. As shown on Figures 4-3 and 4-4, the Site is located south of the contact between the Passaic Formation mudstone unit and a thinly bedded siltstone/shale unit (Herman, 2001).

The Passaic Formation generally dips at about 5 to 15 degrees to the northwest. At an exposure in the Rahway area (northeast of the facility), the Passaic Formation strikes 50 degrees northeast and dips 9 to 12 degrees to the northwest (FWENC, 2002). The predominant system of fractures at that location strikes about 45 degrees northeast and is mostly vertical. A second, less prominent system strikes 75 degrees northwest and is also nearly vertical (FWENC, 2002).

As shown on Figure 4-4, three basaltic intrusions occurred during the Lower Jurassic (Herman, 2001): Orange Mt. Basalt (also known as the First Watchung), the Preakness Basalt (also known as the Second Watchung), and the Hook Mt. Basalt (also known as the Third Watchung). These units occur to the north of the Site.

4.4.2. OU3 Geology

Unconsolidated deposits at the former CDE facility range in thickness from 0.5 to 15 feet and generally thicken to the east towards Bound Brook. Natural unconsolidated materials, consisting primarily of red-brown silt and sand with silt and clay layers, are generally intermixed with urban fill materials (including cinders, ash, brick, glass fragments, metal, and other detritus) throughout the former CDE facility and vicinity. A thin (surface to 15 feet below ground surface) layer of weathered bedrock overlies competent bedrock, consistent with the weathered bedrock identified by regional surficial geologic mapping. This material primarily consists of heavily weathered siltstone and shale material with a heterogeneous texture ranging from silt to fine sand, with some zones of angular, silty gravel and silty clay. The remainder of the OU3 surficial geology north, west, and east of the former CDE facility is characterized by Aeolian deposits and glaciofluvial plain deposits with recent alluvial deposits associated with surface water features such as Bound Brook (Figure 4-5).

The top of competent bedrock underlying the former CDE facility ranges from 4 to 15 feet below ground surface, except in the northwestern portion of the former CDE facility where bedrock was present immediately beneath the building foundations. Based on

boring log data for wells installed during this investigation, the bedrock at the Site consists primarily of red-brown to dark brown mudstone, siltstone, and shale consistent with the Passaic Formation. Boring logs from wells to the north of the former CDE facility are generally indicative of Passaic Formation mudstone facies, while cores from the former CDE facility and areas southwest and east of the facility show siltstone and shale. The bedrock units range from massive rock with few features to highly laminated beds. The bedrock units are consistently fine-grained in texture, with numerous calcified veins and vugs throughout.

Bedrock boring logs (Appendix D) and borehole acoustical televiewer data (Appendix F) indicate that numerous fracture zones are present in the bedrock from the surface to approximately 600 feet below ground surface, the maximum drilled depth. The shallow bedrock units are heavily fractured and weathered, with significant shallow fracture infilling with weathered material ranging in texture from silt/clay to sand. Shallow fractures are generally more open in the shallow bedrock, and become less open with depth. The bedrock contains heavily fractured zones that occur along the bedding planes (parallel to sub-parallel). Weathered fracture zones within the bedrock ranged from near horizontal to near vertical. Pole to plane projections of the fracture data interpreted from the acoustical televiewer data (Appendix F, Figure F-1) show that the majority of these features are relatively low angle, ranging from 10 to 30 degrees from horizontal, consistent with the regional character of the Passaic Formation.

Based on the borehole geophysical data collected during the OU3 Groundwater investigation, the bedding planes of the bedrock units (less open features) in the vicinity of the former CDE facility generally strike 65 degrees East of North (N65E), and generally dip toward the northwest between 5 and 15 degrees (Appendix F, Figure F-2). The predominant down-dip direction of fractures (more open features) is toward the northwest, parallel to sub-parallel to the dip of bedding planes (Appendix F, Figure F-3).

A large fracture zone was encountered in MW-14 (67 feet bgs), MW-15 (76 feet bgs), MW-17 (180 to 210 feet bgs), and downgradient from the former CDE facility at MW-20 (302 feet bgs). However, no significant fracture zone was observed in MW-16, which lies between MW-14 (near the center of the former CDE facility) and MW-20 (downgradient). The orientation of the fracture zone was calculated (3- point solution) and is nearly parallel to regional bedding. This intensively fractured seam is characterized by significantly larger than average fracture apertures.

The aperture of each fracture was calculated using the borehole transmissivity data (Appendix G) and the Cubic law equation (Bear, 1993). Approximately 3,900 apertures were calculated using this procedure during the RI. The average fracture aperture was calculated to be 83 microns. The summary statistics are presented as Table 4-1. The fracture frequency, derived from the borehole transmissivity data and the acoustic televiewer logs (Appendix F), was calculated to be 0.9/ln ft.

4.5. HYDROGEOLOGY

This section provides a summary of the regional and OU3-specific hydrogeologic framework based on the geologic framework presented in Section 4.4. The discussion of the regional hydrogeology presented in this section is based on available public information on regional aquifers in the vicinity of the Site. The OU3-specific hydrogeology summarized below is based on the interpretation of data collected from the OU3 Groundwater RI, including the results of the groundwater MODFLOW modeling.

4.5.1. Regional Hydrogeology

The Passaic Formation generally forms a leaky multi-aquifer system that is hundreds of feet thick. Groundwater movement is primarily through bedding plane fractures and steeply dipping interconnected fractures and dissolution channels (secondary permeability). A very limited amount of groundwater flows through the interstitial pore spaces between silt or sand particles because of compaction and cementation of the formation (primary permeability). Differences in permeability between layers resulting from variations in fracturing and weathering may account for many water bearing units.

According to Michalski and others, these water bearing units are generally restricted to bedding planes, intensively fractured seams, and near vertical fractures and joints that are sub-parallel to the strike of the formation in this leaky multi-layered aquifer system (Michalski, 1990, Michalski and Klepp, 1990, Michalski and Britton, 1997). Michalski and Britton (1997) contend that this is typically true because potential groundwater movement in the down dip direction is either impeded by a reduction in bedding plane apertures at greater depths or groundwater movement along strike is favored over a longer down dip movement path and subsequent up dip movement near a discharge zone. However, groundwater could move in the down dip direction through a fracture network and/or along bedding planes if groundwater movement is affected by pumping wells in the area.

Groundwater in the Passaic Formation is often unconfined in the shallower, more weathered part of the aquifer; however silt and clay derived from the weathering process typically fill fractures, thereby reducing permeability. This relatively low permeability surface zone reportedly extends 50 to 60 feet bgs (Michalski, 1990). Groundwater in the deeper portion of the Passaic Formation is generally confined as the lack of vertical fractures can create a confining effect with depth. Recharge is by leakage through fractures in the confining units. The transmissivity of mudstone and siltstone units can range from 400 to 14,500 gallons per day per foot (gpd/ft) (Herman, 2001). Local and regional groundwater discharge boundaries include surface water bodies like Bound Brook. However, municipal pumping centers (water wells) account for most of the regional groundwater discharge.

The Passaic Formation contains an aquifer that is used as a source of potable water for some of the communities surrounding the former CDE facility (Figure 4-6). Numerous private, industrial, and municipal wells tap the formation, with reported pumping rates



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that range from a few to several hundred gallons per minute. Current groundwater extraction influences regional and local groundwater movement, and the variable historical configuration and pumping of municipal extraction wells exerted a dominant influence on historical groundwater movement at the former CDE facility. The following wellfields have been identified as having the most significant influence on that groundwater movement.

4.5.1.1. Middlesex Water Company

There are several production wells and wellfields near the former CDE facility that have the potential to influence groundwater flow conditions. Five wellfields have been identified as being influential to the OU3 investigation and all five wellfields are owned and/or operated by the Middlesex Water Company. A generalized timeline showing the magnitude and duration of pumping of the following wellfields is presented as Figure 4-7. Historic pumping rates are presented for the period beginning in January 1953, when more precise recordkeeping began, and are shown as 36-month moving averages to remove the variability from the data. In addition, the generalized timeline also shows the operational history at the former CDE facility for temporal context. The pumping history and potential hydraulic effects of the Park Avenue Wellfield on the groundwater flow at the former CDE facility are discussed in greater detail in Appendix P.

4.5.1.2. Park Avenue Wellfield

The Park Avenue Wellfield is currently composed of 15 wells, nine of which are deep bedrock wells and six of which are constructed in sand and gravel deposits. The nine bedrock wells have a permitted capacity of 5.6 mgd. The six wells screened in the sand and gravel deposits have a permitted capacity of 8.8 mgd. These wells are located between 5,600 feet and 8,800 feet north of the former CDE facility. This wellfield is currently operational. The Park Avenue Wellfield began pumping at an unknown rate in the 1930's likely from wells screened in the sand and gravel deposits. As demand increased, the records indicate that additional wells including bedrock wells were added as early as 1945. Even though based on available information, pumping began in the bedrock in 1955; based on the limited saturated thickness and limited aerial extent of the sand and gravel deposits and the increasing demand of potable water, it is likely that the sand and gravel wells were recharged with water from the underlying bedrock. This has been confirmed with groundwater flow modeling presented in Appendix P.

4.5.1.3. Tingley Lane Wellfield

The Tingley Lane Wellfield is composed of nine deep bedrock wells, and is located approximately 11,000 feet northeast of the former CDE facility. Based on a review of available records, the Tingley Lane Wellfield began pumping in 1954 and while the wellfield has been used intermittently and is currently cited as active, records indicate that no pumping has occurred since mid-2010. The wells are constructed in bedrock at depths of -400 feet msl. The pumping history and potential hydraulic effects of the

Tingley Lane Wellfield on the groundwater flow at the former CDE facility are discussed in greater detail in Appendix P.

4.5.1.4. South Plainfield Wellfield

The South Plainfield Wellfield was reportedly (Middlesex Water Company) composed of one to four bedrock wells located west of the intersection between Maple Street and Plainfield Avenue along Cedar Creek; however, the exact location of the wells is unknown. According the Middlesex Water Company and a review of available records, the South Plainfield Wellfield began pumping at some time before 1952 and ended pumping in 1969. Groundwater was extracted at approximately 1.5 mgd.

4.5.1.5. Sprague Wellfield

The Sprague Wellfield is composed of two wells screened in the sand and gravel deposits that began pumping in 1963. These wells are located 9,000 feet north northeast of the former CDE facility. Based on a review of available records, the wellfield is permitted to extract 2.3 mgd. The pumping history and potential hydraulic effects of the Sprague Wellfield on the groundwater flow at the former CDE facility are discussed in greater detail in Appendix P.

4.5.1.6. Spring Lake Wellfield

The Spring Lake Wellfield is composed of four deep bedrock wells located near Spring Lake, and is located approximately 2000 to 4000 feet north of the former CDE facility. Based on a review of available records, the Spring Lake Wellfield began pumping in 1964 and all of the wells were used intermittently until 1996. The wells were phased out of operation beginning in 1996 and pumping ended in 2003. The wellfield is currently inactive. The wells are constructed in bedrock with depths ranging from -430 feet to -440 feet msl. Based on historic pumping records, the wellfield was used to meet peak seasonal demand with total withdrawals from 1 to 2 mgd. The pumping history and potential hydraulic effects of the Spring Lake Wellfield on the groundwater flow at the former CDE facility are discussed in greater detail in Appendix P.

4.5.2. OU3 Hydrogeology

The bedrock aquifer in OU3, for the purposes of data presentation in this RI, is separated into three hydrogeologic units - or water-bearing zones - identified as the “shallow”, “intermediate”, and “deep”. They were separated into three water-bearing zones based on the location of monitoring points (ports and screened intervals) for the creation of potentiometric surface maps and VOC distribution maps.

These zones were selected based on the location of ports to facilitate the preparation of depth-discrete potentiometric surface maps and CVOC distribution maps as it was important to select zones that contained one port at each well location. However, each of the zones selected does not necessarily coincide with where most of the fractures occurred. Each of these zones is hydraulically connected. The shallow, intermediate and deep water bearing zones are shown on Figure 4-8. It should be noted that there are numerous FLUTETM ports between zones and some are deeper than the deep water bearing zone. The potentiometric surface data and concentration of CVOCs from these ports were also used in the overall interpretation of groundwater flow and CVOC distribution at and downgradient of the former CDE facility.

The shallow water bearing zone is unconfined and extends from the water table to a depth of approximately 120 feet bgs (bedrock). The water table fluctuates from the unconsolidated deposits due to seasonally high recharge and falls into the bedrock during seasonally low recharge and the effects of nearby pumping. Therefore, the groundwater encountered in the unconsolidated deposits is interpreted as part of the shallow unconfined bedrock aquifer. The upper few feet of the shallow water bearing zone is hydraulically connected to surface water bodies, Cedar Creek, and Spring Lake. Groundwater to a depth of 120 feet bgs between MW-16 and ERT-3 has the potential to be hydraulically connected (discharging) to Bound Brook near the former CDE facility as shown on Figure 4-8. The groundwater potential lines on Figure 4-8 show that the groundwater head potential in the aquifer is moving groundwater towards Bound Brook; however, the water in the aquifer in these areas can only discharge to Bound Brook if there are hydraulically fractures that can convey the groundwater to the surface water. The intermediate (Figure 4-9) and deep (Figure 4-10) water bearing zones are not hydraulically connected to surface water bodies. Even though the aquifer is highly fractured, there is some bedrock structure that produces localized anisotropic conditions. The portion of the groundwater between MW-16 and ERT-3 that cannot discharge to Bound Brook, due to the lack of vertical fractures, and the remaining portion of the water bearing zones will migrate to the north-northeast in an arc until it eventually reaches a downgradient receptor such as a municipal well.

The shallow water bearing zone is highly fractured. This is evidenced by the Theisian behavior of the aquifer (no fracture dewatering) in response to pumping during the Integrated Pumping Test (Section 5.12, Appendix L). The intermediate and deep water bearing zones are also highly fractured; however, there is some evidence that the lack of vertical fractures in some locations create an anisotropy that influence groundwater movement and create a confining effect with depth (Michalski and Britton, 1997). The highly fractured nature of the bedrock was documented with hydraulic profiling (Section 3.2.1.2) and acoustic televiewer logging conducted as part of the borehole geophysics program (Appendix F). The hydraulically active fracture data were compiled and evaluated, and were used to generate the simulated fractured bedrock domain used in the FRACTRAN modeling described in Appendix A of the Feasibility Study. Each of these water bearing units is described below.

Shallow Water Bearing Zone: The shallow water bearing zone (0-120 feet bgs) is monitored by the uppermost port in each of the multi-port systems and the shallow bedrock wells constructed at the former CDE facility. The monitored interval for the shallow water bearing zone is the first port in each FLUTE™ well. An evaluation of current shallow bedrock groundwater levels compared to those collected during previous investigations indicate that current shallow bedrock aquifer water levels are approximately five feet higher than they were during the Foster Wheeler RI (FWENC, 2001). The water level variations are interpreted to be the result of historical groundwater pumping near Spring Lake, which was gradually reduced and ultimately stopped in 2003.

Intermediate Water Bearing Zone: The intermediate water bearing zone marks the transition between the shallow and deep water bearing zones. This zone is monitored by the ports between 120 feet and 160 feet bgs in each of the multi-port systems. The fractures in the intermediate water bearing zone exhibit less in-filling with sediment, and exhibit an increased permeability in individual fractures as compared to the shallow water bearing zone.

Deep Water Bearing Zone: The deep water bearing zone exhibits an increased permeability, due to fractures being more open with less in-filling of material due to weathering. This zone is monitored by the ports between 200 and 240 feet bgs in each multi-port system.

4.5.2.1. Hydraulic Gradient and Groundwater Movement

The depth to water level was measured during three synoptic rounds (October 2009, March 2010, and July 2010). Each measurement was then subtracted from the surveyed elevation at the well (Table 4-2) to calculate a water level elevation in feet msl (Table 4-3). Groundwater elevations from shallow wells and the shallowest multi-port sampler ports was used to characterize the shallow water bearing zone collected in July 2010 (Figure 4-8). The data show that the potentiometric surface is generally affected by localized discharge to Bound Brook, Cedar Brook, and Spring Lake. Groundwater in the shallow water bearing zone moves away from the site in a radial pattern, moving north and east from the facility toward Bound Brook, and northwesterly toward the low-lying area at the confluence of Bound Brook and Cedar Brook. The relatively flat hydraulic gradient is anomalous and incongruent with the low hydraulic conductivity of the bedrock as characterized by the IPT. Groundwater elevations in wells MW-19, MW-20, and MW-21 in the northwestern portion of OU3 have a significantly lower elevation reflecting the influence of the Park Avenue wellfield. To the northeast of the former CDE facility, immediately across Bound Brook, groundwater movement in the shallow water bearing zone is generally toward the west, with groundwater discharging to Bound Brook, Cedar Brook and Spring Lake.

Groundwater elevations from multi-port sampler ports between 120 and 160 feet bgs was used to characterize the intermediate water bearing zone collected in July 2010 (Figure 4-9). The generalized direction of groundwater movement is to the north with the gradient



generally trending northwest near the former CDE facility before turning to the north-northeast as a result of the influence of local pumping centers. There is no groundwater-surface water interaction. The intermediate water bearing zone forms the transition between the shallow flow system that discharges to surface water and the deeper more regional flow system that discharges to the pumping centers as shown by the hydrogeologic cross-section shown on Figure 4-11.

Groundwater elevations from multi-port sampler ports between 200 and 240 feet bgs was used to characterize the deep water bearing zone collected in July 2010 (Figure 4-10). The generalized direction of groundwater movement is to the north with the gradient generally trending northwest near the former CDE facility before turning to the north-northeast as a result of the influence of local pumping centers. A plot of the potentiometric surface indicates that the hydraulic gradient is more uniform in this zone, with no exhibited groundwater-surface water interaction.

A distinct, highly transmissive fracture zone was intersected by several boreholes during the investigation. Most notably, this fracture zone underlies the overburden source area at MW-14S/D at a depth of approximately 67 feet bgs and is present at MW-17 at a depth of approximately 200 feet bgs and at MW-20 at a depth of approximately 300 feet bgs. At MW-14D beneath the overburden source area, the highly transmissive fracture zone marks a sharp decrease in both rock matrix and aqueous CVOC concentrations (discussed in Section 5) as the concentration of CVOCs in the rock matrix and aqueous was significantly less below the highly transmissive fracture zone. At downgradient locations, the location of the fracture zone is coincident with the highest concentration of contaminants in FLUTETM wells. This suggests that the fracture zone limited vertical migration of the aqueous mass at the former CDE facility with depth, and facilitated downgradient transport of contaminant mass along a preferential (high transmissivity) pathway.

A N-S oriented hydrogeologic cross section was prepared and is presented as Figure 4-11, and an E-W hydrogeologic cross section was prepared and is presented as Figure 4-12. The synoptic data were collected from each FLUTETM well port in July 2010, and show the horizontal and vertical component to groundwater movement in the study area. The vertical gradient varies across the study area and with depth (Figure 4-13). Groundwater elevations measured at MW-13, MW-16, ERT-3, and ERT-4 indicate upward hydraulic gradients in wells adjacent to Bound Brook, with less upward hydraulic gradient observed in wells at the former CDE facility, closer to the overburden source area at MW-14S/D. When compared to the corresponding stream gage measurements, the hydraulic head difference indicates the potential for groundwater discharge to Bound Brook. The upward vertical hydraulic gradients in the deep water bearing zone wells to the north of OU3 (MW-20, MW-19) are likely related to local anisotropic conditions and/or gradients created by groundwater extraction at the Park Avenue wellfield.

A comparison of historic groundwater elevations measured during the Foster Wheeler RI (2000) to the groundwater level measurements collected during this investigation (2010-2011) show a marked change in groundwater elevations and the direction of groundwater



movement in the shallow water bearing zone (Figure 2-2). Past groundwater elevations (2000) indicated that groundwater elevations were up to 5 feet lower and below the bottom of Bound Brook. Groundwater movement in the shallow water bearing zone at the former CDE facility was generally toward the northwest and beneath Bound Brook, with a potential for surface water in Bound Brook to recharge the aquifer. Current (2010-2011) conditions are different. Groundwater level measurements show shallow groundwater is potentially discharging into Bound Brook. Additionally, the groundwater elevations measured by Foster Wheeler (2000) were approximately 5 feet lower than those observed in the recent data (2010-2011). The Foster Wheeler data were collected under historic pumping conditions related to operation of the Middlesex Water Company's Spring Lake wellfield, which ceased pumping operations in 2003. The groundwater withdrawals from the Spring Lake wellfield in this area may have played a role in altering the regional hydrogeologic conditions, including a depression in local and regional groundwater elevations, alterations of the local gradients, and reversal of the local discharge/recharge potential between groundwater and surface water (Bound Brook). Today, hydrogeologic conditions at the former CDE facility are more influenced by the on-going groundwater withdrawals at the more distant Park Avenue wellfield and it is less likely that these changes in groundwater elevations are due to minor variations in precipitation as shown on Figure 4-1.

4.5.2.2. Aquifer Recharge

As discussed above, during past pumping to the northeast of the former CDE facility at the Spring Lake wells, Bound Brook was potentially contributing to local recharge of the aquifer (FWENC, 2002). However, current groundwater data show that surface water in wetlands and shallow groundwater at the former CDE facility are potentially discharging to Bound Brook. Based on the recent groundwater data, primary recharge to the aquifer is likely infiltration of precipitation through vertical fractures in bedrock.

4.6. SURFACE WATER

The former CDE facility and the OU3 plume lies within the Bound Brook watershed. Bound Brook is directly adjacent to the former CDE facility and forms the northeast border of the property. Bound Brook extends from east to west through Edison, South Plainfield, New Market, Dunellen, and Middlesex. Spring Lake is an impoundment of Cedar Brook. The confluence of Cedar Brook with Bound Brook is north and downstream from the former CDE facility. The Cedar Brook is the largest of the Bound Brook tributaries and drains approximately 6.5 square miles. The impoundment at the western end of Spring Lake is man-made, formed by constructed dams and spillways, and controls the discharge flow of Cedar Brook into Bound Brook. Spring Lake supports secondary contact recreation including boating and fishing.

4.7. ECOLOGY

This section describes the ecology of the Site. The OU3 study area lies within a section of the Borough of South Plainfield that can be characterized as an urban area. The land

surrounding the former CDE facility is primarily commercial/light industrial to the northeast and east, residential to the south and north, and mixed residential/commercial to the west. The former CDE facility is currently zoned as commercial/industrial.

4.7.1. Wetlands

According to National Wetlands Inventory (NWI) mapping for the region (Figure 4-14), there are three wetland systems on the property associated with Bound Brook and its floodplain. The types of wetlands include: Palustrine Forested Broad-Leaved Deciduous Temporary (PFO1A), Palustrine Emergent Persistent Seasonal (PEM1C), and Palustrine Scrub/Shrub Broad-Leaved Deciduous Temporary (PSS1A). Wetland acreage ranges from 0.06 acres to 2.08 acres. A wetland delineation was completed in May 2007 to demarcate wetland/non-wetland boundaries as part of the remedial design for OU2. More information can be found in the Revised Final Habitat Assessment Report for Operable Unit 2 Soils (Malcolm Pirnie, 2008c).

4.7.2. Significant Habitat and Endangered Species

The developed nature of suburban central New Jersey restricts the availability of open space, riparian habitat associated with flood prone or flood control wetland, and the aquatic habitat associated with stream channels and man-made impoundments. Areas where riparian tree canopies have been removed for development will contribute to greater light penetration and elevated water temperatures in the summer months. Runoff from the developed areas of the Bound Brook watershed has contributed non-point source pollutants such as sediments and contaminants associated with road runoff to favor more pollution-tolerant species of fish and invertebrates.

Fishery surveys conducted by NJDEP and USEPA have identified the fishery as being a centrarchid (sunfish and basses)/cyprinid (minnows)/catostomid (suckers) dominated community. A single migratory fish species, the American eel, *Anguilla rostrata*, has been documented in Bound Brook. Site reconnaissance data of the Bound Brook also identified the Asian clam, *Corbicula fluminea*, an invasive clam species, as being numerically abundant in finer grained sediments present in the brook. Currently, the NJDEP classifies the Bound Brook as FW-2 non-trout waters. The designated uses for this classification include primary and secondary contact recreation and the protection, maintenance and propagation of warm water aquatic life.



5. NATURE AND EXTENT OF CONTAMINATION

This section describes the nature and extent of chemical constituents detected in groundwater and the rock matrix during the OU3 Groundwater RI. The sampling and analytical methods are discussed in detail in Section 3.0. Applicable or Relevant and Appropriate Requirements (ARARs) and To Be Considered (TBCs) materials are presented in Section 5.1. Contaminants of Concern (COCs) are discussed in Section 5.2, the analytical results are presented in Section 5.3, and the groundwater geochemistry is discussed in Section 5.4. The nature and extent of contamination is presented in Sections 5.5 through 5.9, and additional data and analyses are presented in Section 5.10.

5.1. ARARs and TBCs

Section 121 (d) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) states that remedial actions must attain a degree of cleanup of hazardous substances, pollutants, and contaminants which will assure protection of human health and the environment. Section 121 (d)(2)(A) provides that the cleanup must meet certain standards, requirements, criteria and limitations derived from specified Federal environmental laws. This section also provides that the cleanup must meet certain standards, requirements, criteria and limitations derived from State environmental or facility siting laws if these are more stringent than the Federal standards or criteria, if these State standards come from an approved, delegated program and have been identified by the State in a timely manner.

To determine whether a standard, requirement, criterion or limitation is to be met, USEPA must first determine whether that standard, requirement, criterion, or limitation is legally applicable to the hazardous substance or pollutant or contaminant of concern, or is relevant and appropriate under the circumstances of the release, or threatened release, at the site. A standard, requirement, criterion, or limitation that is legally applicable or has been determined by USEPA to be relevant and appropriate for a particular cleanup is an ARAR.

In addition to ARARs, USEPA and the State may, as appropriate, identify other Federal or State advisories, criteria, guidance, or proposed but non-promulgated standards to be considered in developing the remedy for a particular site. Although not sources of potential ARARs, because they are neither promulgated nor enforceable, the information in these sources is TBC in developing a protective site remedy.

5.1.1. Groundwater

Potential groundwater ARARs include relevant standards derived from the Safe Drinking Water Act MCLs (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (GQCs) (NJAC 7:9-



6). Potential cleanup standards have been identified by selecting the lowest of the relevant Federal MCLs, State (NJDEP) MCLs, and NJGQCs for each contaminant of concern. The NJDEP GQCs, NJDEP MCLs, and Federal MCLs are listed in Table 5-1. The potential cleanup standards have been selected here for the purpose of identifying COCs and delineating the nature and extent of COCs in groundwater. The USEPA will select the final cleanup standards for OU3 in the ROD.

5.2. CONTAMINANTS OF CONCERN

COCs in groundwater were identified by comparing the compounds detected to the potential cleanup standards. The potential standards were identified as described previously in Section 5.1. The COCs were identified and evaluated in the Baseline Human Health Risk Assessment. Table 5-2 summarizes the COCs in groundwater, and can be broken out in to the following categories:

- VOCs
- PCBs
- Metals
- Dioxin/Furans
- Pesticides
- SVOCs

The nature and extent of the COCs are discussed below.

5.3. ANALYTICAL RESULTS

The USEPA ERT groundwater sampling results (August 2008) summary tables are presented as Table 5-3, with the complete analytical results presented as Appendix Q. The OU3 Groundwater RI rock matrix sampling results summary tables are presented as Tables 5-4 and 5-5, with the complete analytical results and rock matrix sampling report presented as Appendix E. The OU3 Groundwater analytical results summary tables (VOCs, PCBs, metals, dioxin/furans, pesticides, and SVOCs) from three sampling events are presented as Table 5-6 (October 2009), Table 5-7 (March 2010), and Table 5-8 (July 2010), with complete analytical results presented as Appendix R. The analytical results summary tables from the MW-23 sampling events are presented as Table 5-9 (December 2010) and Table 5-10 (March 2011), with complete analytical results presented as Appendix S. The data validation qualifier definitions are presented in Table 5-11. There is an adequate amount of data of known quality to define the nature and extent of contamination for the purposes of moving forward to the FS; however the extent (aerial and vertical) of contamination has not been defined to the MCLs. Defining an absolute boundary of groundwater contamination (as defined by MCLs) from the former CDE facility is complicated by the presence of other sources of contamination in the area.



5.4. GROUNDWATER GEOCHEMISTRY

Natural Attenuation (NA) processes such as biodegradation, hydrolysis, dispersion, dilution, sorption, diffusion, and volatilization affect the fate and transport of organic contaminants in all hydrologic systems. The degree to which COCs can degrade or attenuate under natural conditions through microbial processes can be evaluated by measuring the concentrations of several geochemical parameters, potential microbial energy sources, and nutrients in the groundwater. These parameters include:

- Dissolved Oxygen (DO);
- Oxidation/Reduction Potential (Redox or ORP);
- Chloride;
- Nitrate;
- Nitrite;
- Sulfate;
- Ferrous iron;
- Alkalinity;
- Total organic carbon; and
- Dissolved gases (methane, ethane, and ethene).

In accordance with the approved Work Plan (Malcolm Pirnie, 2008), groundwater samples collected from monitoring wells ERT 1, MW-13, MW-14S/D, MW-16, MW-20, and MW-21 were analyzed for the above-listed parameters, with the exception of DO and ORP, which were measured in the field. These monitoring wells were chosen based on their location relative to the former CDE facility (i.e., upgradient, within the facility, and downgradient) and the degree of contamination expected in each (i.e., high or low). These data can be found on Table 5-6 and 5-7 in Appendix J.

The sampling procedures required by the FLUTE™ device precluded the use of a flow-through cell, which provides the most accurate measure of field groundwater parameters. Therefore, the DO and Redox data cannot be relied upon outside of the context provided by other analyses and parameters to evaluate the potential effectiveness of reductive dechlorination.

Dissolved Oxygen

CVOCs degrade most readily under anaerobic conditions through reductive dechlorination, which generally does not occur at dissolved oxygen concentrations greater than 0.5 milligrams per liter (mg/l). DO concentrations in groundwater samples collected during the RI ranged from 0.0 mg/l to more than 10 mg/l, with an average of 2.5



mg/l. DO concentrations in approximately 10 percent of the sampling locations exceeded 8.0 mg/l, which is the approximate solubility of oxygen in water at standard pressure and temperature (Deutsch 1997). This is likely due to the FLUTETM sampling method, which precluded the use of a flow-through cell or in-well DO probe.

Redox Potential

Reduction-Oxidation Potential reactions in groundwater containing CVOCs are typically biological and, therefore, the redox state of the groundwater influences, and is influenced by, the amount of biological degradation. In addition, since redox potential is an indicator of the relative tendency of the groundwater to accept or transfer electrons, redox potential is also important in evaluating abiotic transformations of CVOCs (USEPA 1998). Redox potentials measured in samples collected during the RI ranged from (-) 209 to (+) 337 with an average of (+) 101 mV. Redox potentials less than (-) 100 millivolts (mV) are typically required to promote reductive chlorination; however, the reductive pathway is still possible at potentials less than (+) 50 mV (USEPA 1998).

Chloride

Elevated chloride concentrations in groundwater can be an indicator of reductive dechlorination; however, natural background chloride concentrations are often too high for this effect to be noticeable. The geometric mean of chloride concentrations in the samples was 40.5 mg/l. Chloride concentrations in samples collected from upgradient well ERT 1 ranged from 32.3 to 63.6 mg/l. Chloride concentrations in MW-14S/D ranged from 17.2 to 133 mg/l, with the highest concentrations measured in the top two sampling ports (Ports 1 and 2) (133 and 127 mg/l, respectively). Chloride concentrations in the samples collected from downgradient monitoring wells were similar to those measured at ERT 1, with the exception of the samples from monitoring well MW-20 (port 1), which reached 1,670 mg/l.

Nitrate

Nitrate may be used as an electron acceptor for anaerobic biodegradation in the absence of oxygen. For reductive dechlorination to occur, nitrate concentrations in the groundwater must be less than 1.0 mg/l (USEPA 1998). Nitrate concentrations in the sampled wells/ports ranged from not detected (less than 0.11 mg/l) to 4.0 mg/l with a geometric mean of 1.11 mg/l. Nitrate was absent in monitoring wells MW-13 (ports 1 through 7), MW-14S (ports 1 through 4)/14D (port 1), MW-16 (ports 5 through 7), and MW-21 (ports 2, 3, 4, 5, and 7) in at least one of the groundwater monitoring events.

Nitrite

Nitrite is an intermediate compound in the denitrification process and its absence can serve as an indicator that nitrogen is being utilized in the biodegradation process. Nitrite concentrations in the sampled wells/ports ranged from not detected to 0.09 mg/l, with a



geometric mean of 0.03 mg/l. Nitrite was absent in approximately 75 percent of the groundwater samples collected during the investigation.

Sulfate

After dissolved oxygen and nitrate have been depleted, sulfate may also be used as an electron acceptor for anaerobic biodegradation in the absence of oxygen. For reductive dechlorination to occur, sulfate concentrations in the groundwater should generally be less than 20 mg/l (USEPA 1998). Sulfate concentrations in the sampled wells/ports ranged from 11.2 mg/l to 1,580 mg/l, with a geometric mean concentration of 54 mg/l. Sulfate concentrations less than 20 mg/l were detected in samples collected from monitoring wells MW-14S (ports 1,2, and 3) and MW-16 (ports 1 and 2).

Ferrous Iron

Under anaerobic conditions, ferric iron (Fe^{3+}) can be used as an electron acceptor during the biodegradation of petroleum compounds and, potentially, vinyl chloride. As result of this process, ferrous iron (Fe^{2+}), which is soluble in water, is produced and can be used as an indicator of biodegradation. Ferrous iron was not detected in any of the groundwater samples collected during the RI.

Alkalinity

Increased alkalinity can be an indicator of microbial activity in an aquifer. Alkalinity concentrations in groundwater samples collected during the RI ranged from 37.6 mg/l to 301 mg/l, with a geometric mean of 153 mg/l. Upgradient alkalinity concentrations in samples collected from monitoring well ERT-1 ranged from 184 mg/l to 210 mg/l. Alkalinity concentrations in monitoring well MW-14S/14D near the overburden source area ranged from 175 to 301 mg/l. Downgradient alkalinity concentrations in monitoring well MW-20 ranged from 124 mg/l to 153 mg/l.

Organic Carbon

Organic carbon serves as both a carbon and energy source for microbes that drive reductive dechlorination. In general, TOC concentrations of greater than 20 mg/l are necessary to sustain biodegradational processes. TOC concentrations in groundwater samples collected during the RI ranged from 1.0 mg/l to 37 mg/l, with a geometric mean of 2.6 mg/l. TOC concentrations greater than 20 mg/l were detected in only one groundwater sample.

Dissolved Gases

Ethene and Ethane

Ethene and ethane are the final end-products of the complete reductive dechlorination of CVOCs. Therefore, their presence in groundwater is indicative of a complete dechlorination pathway. Ethene was detected in monitoring wells MW-14S/14D, MW-



16, and MW-20 at concentrations ranging from 0.17 µg/L to 13.2 µg/L. Ethane was detected in monitoring wells MW-13, MW-14S/D, MW-16, and MW-20 at concentrations ranging from 0.14 µg/L to 5.8 µg/L.

Methane

The presence of methane in groundwater is indicative of strongly reducing conditions, and, therefore, is indicative of conditions favorable for reductive dechlorination (USEPA 1998). Methane was detected in 85 of the 97 (87 percent) groundwater geochemistry samples collected during the two groundwater sampling events. Methane concentrations in the samples ranged from 0.1 µg/L to 1,030 µg/L, with a geometric mean concentration of 8.9 µg/L.

Biological Natural Attenuation Evaluation

Reductive dechlorination is the most important process in the natural biodegradation of chlorinated solvents. For reductive dechlorination to completely degrade CVOCs, such as PCE and TCE, the geochemical conditions in the subsurface must be ideal and microorganisms that are capable of degrading the CVOCs must be present. Electron acceptors (chlorinated ethenes), electron donors (typically hydrogen or other fermentation products of organic carbon compounds), a reducing environment (ORP less than -100 mV), an anaerobic environment (DO less than 0.5 mg/L), depletion of competing electron acceptors (nitrate, ferrous iron, sulfate) and microbes (reductive dechlorinators) are all needed for reductive dechlorination to occur.

The USEPA Natural Attenuation Protocol Table 2.3 contains a screening process to evaluate the potential for reductive dechlorination based on site monitoring data (USEPA, 1998). Based on data from groundwater samples collected from monitoring well MW-14S/D (located in the overburden source area), reductive dechlorination in the bedrock groundwater beneath the overburden source area is occurring (at a limited rate). Supporting data included:

- The presence of the dissolved gases ethene and ethane, which are the final end products of the complete degradation of PCE and TCE.
- Low nitrate (not detected) and sulfate (less than 20 mg/L) concentrations, which are indicative of the depletion of these potentially competing electron acceptors.
- The presence of TCE breakdown products cDCE and VC.

However, the data also indicate that these processes are occurring at off-Site locations in the aquifer but not at every location.

5.5. NATURE AND EXTENT OF VOC CONTAMINATION

The nature and extent of detected NAPL in the subsurface is presented in subsection 5.5.1. The nature and extent of VOC contamination within the rock matrix is presented



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in subsection 5.5.2, and the nature and extent of VOC contamination in groundwater is presented in subsection 5.5.3.

5.5.1. NAPL Reactive Liner Testing

Following borehole drilling and prior to final FLUTETM well construction, NAPL reactive liners were installed in MW-14D, MW-15S, MW-15D, and MW-17 to test for the presence of NAPL. The reactive liners in MW-15S, MW-15D, and MW-17 did not indicate the presence of NAPL. Only the reactive liner in MW-14D indicated the presence of NAPL. Based on a visual inspection of the liner, the depth at which the NAPL entered the borehole appeared to be relatively shallow (70 feet bgs), near the top of the open bedrock interval. The reactive liner also showed that a small amount of NAPL pooled at the bottom of the borehole. Photographs of the reactive liners can be found in Appendix T.

5.5.2. Rock Matrix

This section describes the nature and extent of VOCs found in the rock matrix during the core drilling at four FLUTETM well locations installed in the fractured rock aquifer. Rock matrix samples were collected from MW-14S, MW-14D, MW-16, and MW-20 by methods described in Section 3.2.1.2. The VOC analyses were conducted in a mobile on-Site laboratory, and the results were used to guide real-time decision making during the field mobilization of this RI. These values are considered screening values only.

The concentrations of select VOCs (TCE and cDCE) detected in rock matrix screening samples from the four borings are shown on Figure 5-1 and 5-2. TCE was the most common VOC present in the rock matrix samples (345 detections), followed by cDCE (96 detections), and PCE (27 detections). The summary of analytical results of 465 rock matrix VOC analyses from samples collected in the four boreholes during the OU3 Groundwater RI are presented in Table 5-4. The complete results from the rock matrix sampling (including physical properties and total organic carbon) are presented in Appendix E.

The rock matrix data were converted to equivalent matrix pore water concentrations to approximate the potential aqueous concentrations in the rock matrix at each sample interval. The equivalent matrix pore water concentrations are calculated using estimated and directly measured physical properties such as wet rock bulk density, dry rock bulk density, matrix porosity, soil-water partitioning coefficients, and organic carbon partitioning coefficients. A detailed description of the methodology can be found in Appendix E. The results are presented as equivalent matrix pore water concentration (µg/L) in Table 5-5, and the equivalent pore water concentrations of TCE and cDCE detected in rock matrix screening samples are shown on Figures 5-3 and 5-4. The pore water equivalent concentrations of TCE and cDCE are shown at FLUTETM port-equivalent depth intervals in cross section A-A' on Figures 5-5 and 5-6. The following discussion of sampling results focuses on each of the rock matrix sample locations.



5.5.2.1. MW-14S and MW-14D

VOCs were detected in approximately 70% of the rock matrix samples collected in the center of the former CDE facility from two borings (MW-14S and MW-14D). The equivalent pore water concentration of TCE in the rock matrix ranged from non-detections of less than the Practical Quantitation Limit (PQL) of 16 microgram per liter ($\mu\text{g/L}$) at depths of 90.5 to 94.9 feet bgs, and 99 to 106.8 feet bgs to 120,000 $\mu\text{g/L}$ at 33.1 feet bgs. The concentration of cDCE in the rock matrix ranged from non-detections of less than the PQL of 390 $\mu\text{g/L}$ at depths of 79.2 to 231.5 feet bgs to 330,000 $\mu\text{g/L}$ at 33.1 feet bgs. PCE in the rock matrix ranged from non-detections or estimated concentrations less than the PQL of 31 $\mu\text{g/L}$ at depths of 115.4 to 231.5 feet bgs to 130 $\mu\text{g/L}$ at 75.95 feet bgs.

The results indicate that highest concentration of CVOCs in the rock matrix at MW-14S/D was detected from 23 to 75 feet bgs depth interval. The distribution of the results between 23 and 67 feet bgs indicates that contaminant mass has completely saturated the matrix blocks between fractures, indicative of very high historic aqueous concentrations, a dense fracture network, and sufficient time to completely diffuse into the matrix. The observed matrix block saturation and concentrations and the observed DNAPL (Section 5.5.1) are consistent with a maturing CVOC aqueous mass that is approaching equilibrium conditions, as identified in the conceptual model.

A large fracture identified at approximately 67 feet bgs marked a steep decline in the overall rock matrix concentrations, and also marked a change in the distribution of mass (Figures 5-5 and 5-6). Below the fracture at 67 feet bgs, the rock matrix concentration begins to decrease, and matrix block saturation becomes less pronounced. Equivalent pore water contaminant mass “halos” can be seen at 76, 82, and 89 feet bgs as evidenced by the spikes in concentration seen on Figure 5-3 and 5-4. The distribution of results at MW-14 indicate that most of the contaminant mass has diffused into shallow bedrock, and that relatively little of the contaminant mass has diffused into the rock matrix at depths greater than approximately 100 feet bgs.

5.5.2.2. MW-16

VOCs were detected in approximately 90% of the samples collected from one boring (MW-16) near the northern boundary of former CDE facility. The equivalent pore water concentration of TCE in the rock matrix ranged from non-detections of less than the PQL of 3.4 $\mu\text{g/L}$ at depths of 214.4 to 224.7 feet bgs to 7,800 $\mu\text{g/L}$ at 46.7 feet bgs. The concentration of cDCE in the rock matrix ranged from non-detections of less than the PQL of 520 $\mu\text{g/L}$ at depths of 202.1 to 251.6 feet bgs to 4,500 $\mu\text{g/L}$ at 175.95 feet bgs. PCE in the rock matrix was detected in just two samples, at concentrations less than 30 $\mu\text{g/L}$ at depths of 125.55 and 128.45 feet bgs.

The results indicate that VOC mass was detected throughout the entire cored interval. The high concentration of VOC mass in MW-16 was detected in the 50 to 150 feet bgs depth interval (intermediate water bearing zone). The distribution of the results between



50 and 150 feet bgs indicate that contaminant mass has saturated matrix blocks between fractures. Between 150 and 200 feet bgs, the rock matrix concentrations decrease steadily, and the distribution of mass becomes more prominent. This suggests that contaminant mass is present in fewer fractures, and at decreasing concentrations.

5.5.2.3. MW-20

VOCs were detected in approximately 80% of the samples collected from one boring (MW-20) adjacent to Spring Lake. The equivalent pore water concentration of TCE in the rock matrix ranged from non-detections of less than the PQL of 14 µg/L at depths of 28 to 35.2 feet bgs to 1,100 µg/L at 295.6 feet bgs. The concentration of cDCE in the rock matrix was detected in just five samples, at estimated concentrations (data flagged with “J” qualifiers) of less than 63 µg/L at depths of 70.8 to 74.65 feet bgs, at 76.9 feet bgs, and at 94.3 feet bgs. PCE in the rock matrix was not detected at MW-20.

The results indicate that VOC mass was detected throughout the entire cored interval. The largest proportion of VOC mass was detected from 220 to 350 feet bgs depth interval (deep water bearing zone). The distribution of results between 28 and 220 feet bgs indicate presence of contaminant mass “halos” around discrete fractures (at approximately 85, 135, and 155 feet bgs), and that the concentrations in the rock matrix are relatively low. The results also indicate that matrix block saturation has occurred between 220 and 250 feet bgs and between 255 and 355 feet bgs. The concentrations in these zones are relatively low as compared to those encountered in MW-14 and MW-16, but the consistent elevated results are indicative of matrix block saturation. These zones probably represent dense fracture zones that are in direct or indirect communication with impacted groundwater (Figures 5-5). The interval between 255 feet bgs and 355 feet bgs is believed to be the same fracture zone identified at MW-14S/D installed at the overburden source area. The distribution of results at MW-20 indicate that the contaminant mass has diffused into rock to depths of 400 feet bgs, and that the greatest impact is concentrated near a fracture zone encountered at approximately 300 feet bgs. This fracture zone, discussed in Section 4.5.2.3, facilitates both groundwater movement and contaminant mass transport.

5.5.3. Groundwater

This section describes the nature and extent of VOCs found in groundwater, extracted primarily from within the fractures of the sedimentary rock aquifer. Groundwater samples were collected from conventional shallow bedrock wells at the former CDE facility and from FLUTETM wells across OU3 with sampling ports that range in depth from 17 feet to 555 feet bgs.

As discussed in Section 4, the fractured rock aquifer has been divided into three water bearing zones (Shallow, Intermediate, and Deep) to assist in the development of the site conceptual model and to describe the hydrogeology and distribution of contamination. The shallow water bearing zone is characterized using data collected from the shallowest port of the FLUTETM wells, and the data collected from the conventional shallow bedrock



wells located at the former CDE facility. These data represent the conditions at or near the top of bedrock. The intermediate water bearing zone is characterized using data collected from FLUTETM ports between 120 feet and 160 feet bgs across OU3, and the deep water bearing zone is characterized using data collected from FLUTETM ports between 200 feet and 240 feet bgs across OU3.

A single groundwater sampling event was conducted by the USEPA ERT in August 2008. The USEPA ERT collected one round of groundwater samples from 57 ports in seven FLUTETM wells (ERT-1, ERT-2, ERT-3, ERT-4, ERT-5, ERT-6, and ERT-8), and from 11 of the 12 shallow bedrock monitoring wells at the former CDE facility. The analytical results summary of the ERT Groundwater Investigation is presented in Table 5-3. The results are compared to potential groundwater standards and all exceedances are highlighted. The distribution of TCE and cDCE in groundwater is shown on Figures 5-7 and 5-8.

During the OU3 Groundwater RI, groundwater samples were collected and analyzed for VOCs during two synoptic sampling rounds (October 2009 and March 2010) (see Table 3-2). In addition, one FLUTETM well (MW-23) was installed late in the program and its nine ports were sampled twice (December 2010 and March 2011). The analytical results summary of the OU3 Groundwater VOC analyses are presented in Tables 5-6, 5-7, and 5-9. The results are compared to potential groundwater standards and all exceedances are highlighted. The distribution of TCE and cDCE in groundwater is shown on Figures 5-9 and 5-10.

The VOC results have been generally consistent across the three events (August 2008, October 2009, and March 2010). As such, TCE and cDCE iso-concentration figures have been prepared to characterize the extent of VOC contamination. The following detailed discussion is based on the results of the March 2010 sampling event.

5.5.3.1. Shallow Groundwater

The highest concentration of VOCs was detected near the center of the former CDE facility, at depths between 23 and 75 feet bgs, with concentrations falling off sharply at depths greater than 75 feet bgs. Based on the concentrations of VOCs detected, the overburden source area is generally located at the center of the former CDE facility, near MW-11 and MW-14S and MW-14D.

Figure 5-11 (TCE) and Figure 5-12 (cDCE) show the areal distribution of select VOCs in the March 2010 groundwater sampling event. The resultant VOC mass in the shallow bedrock has moved to the northwest, consistent with both the observed shallow groundwater gradient, and the historic gradient reported in the previous shallow bedrock investigation (Figure 2-2). The shallow water bearing zone impacts are generally limited to the area south of Bound Brook, as the surface water body acts as a boundary to shallow groundwater movement. However, elevated concentrations of VOCs in the shallow water bearing zone were detected north of Bound Brook in ERT-4, MW-20, and MW-21. Current vertical head distributions measured at several wells in OU3 show upward



vertical gradients, indicating that the hydraulic potential exists for vertical mass transport. The elevated results at these locations suggest vertical mass transport along steeply dipping fractures.

The molar mass distribution of Total Ethenes (PCE, TCE, DCE (cDCE + trans-1,2-Dichloroethene (tDCE)), and VC) in the shallow water bearing zone, measured during the March 2010 event is shown in Figure 5-13. The total CVOC molar mass distribution results show that cDCE is the primary organic constituent (by mass) in the bedrock beneath the overburden source area. However, the relative ratios of CVOCs vary greatly across OU3. The high proportion of cDCE in bedrock beneath the overburden source area suggest that reductive dechlorination of TCE is occurring in the bedrock beneath the overburden source area.

5.5.3.2. Intermediate Groundwater

Figure 5-14 (TCE) and Figure 5-15 (cDCE) show the areal distribution of select VOCs in the March 2010 groundwater sampling event. The groundwater data show a more northwesterly distribution of contaminants near the former CDE facility, with a northeastward arching path of travel towards the capture zone of the currently operating Park Avenue wellfield to the north.

Groundwater samples collected from monitoring wells ERT-5, ERT-6, and MW-18, which are located within the Pitt Street Well Contamination Area that is west of the former CDE facility, contained select VOCs at concentrations that exceed potential cleanup standards. There are several lines of evidence (Section 5.13.2) that suggest the former CDE facility is not the source of select VOCs in these wells; however, the results are not conclusive. Therefore, the groundwater impacts at ERT-5, ERT-6, and MW-18 have been included in the impacts from the former CDE facility as shown on Figure 5-14.

The molar mass distribution of Total Ethenes (PCE, TCE, DCE, and VC) in the intermediate water bearing zone, measured during the March 2010 event, is shown in Figure 5-16. The total CVOC molar mass distribution results show that cDCE is the primary organic constituent (by mass) in bedrock beneath the overburden source area and along the axis of the aqueous mass, but that the TCE fraction is higher along the fringes of the delineated aqueous mass. The high proportion of cDCE in the intermediate zone bedrock beneath the overburden source area suggest that reductive dechlorination of TCE is occurring in the shallow zone beneath the overburden source area and migrating from the shallow to the intermediate zone in the bedrock. In addition, reductive dechlorination appears to be occurring to a limited extent to the aqueous mass in the intermediate water bearing zone.

5.5.3.3. Deep Groundwater

Figure 5-17 (TCE) and Figure 5-18 (cDCE) show the areal distribution of select CVOCs in the March 2010 groundwater sampling event. As with the distribution of aqueous mass described in the intermediate water bearing zone, the groundwater data show a more



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northwesterly distribution of contaminants near the former CDE facility, with a northeastward arching path of travel towards the capture zone of the currently operating Park Avenue wellfield.

Groundwater samples collected from monitoring wells ERT-5, ERT-6, and MW-18, which are located within the Pitt Street Well Contamination Area that is west of the former CDE facility, contained select VOCs at concentrations that exceed potential cleanup standards. There are several lines of evidence (Section 5.13.2) that suggest the former CDE facility is not the source of select VOCs in these wells; however, the results are not conclusive. Therefore, the groundwater impacts at ERT-5, ERT-6, and MW-18 have been included in the impacts from the former CDE facility as shown on Figure 5-14.

The molar mass distribution of PCE, TCE, DCE, and VC in the deep water bearing zone, measured during the March 2010 event, is shown in Figure 5-19. The total CVOC molar mass distribution results show that cDCE is the primary organic constituent (by mass) at the bedrock beneath the overburden source area and along the axis of the aqueous mass, but that the TCE fraction is higher along the fringes of the delineated aqueous mass. The high proportion of cDCE along the axis of the aqueous mass suggest that reductive dechlorination of TCE is occurring in the shallow zone in the bedrock beneath the overburden sources area and migrating to the intermediate and deep zones in the bedrock. In addition, reductive dechlorination appears to be occurring to a limited extent to the aqueous mass in the deep water bearing zone.

5.5.3.4. Vertical Distribution of Mass

The vertical distribution of TCE and cDCE is presented in two cross sections, one oriented approximately parallel to the direction of groundwater movement (N-S) (Figures 5-20 and 5-21) and one oriented approximately perpendicular to the direction of groundwater movement (E-W) (Figures 5-22 and 5-23).

5.6. NATURE AND EXTENT OF PCB CONTAMINATION

The nature and extent of PCB contamination within the rock matrix is presented in subsection 5.6.1. The nature and extent of PCB contamination in groundwater is presented in subsection 5.6.2.

5.6.1. Rock Matrix

The results of 212 PCB Aroclor analyses from rock matrix samples collected from three borings (MW-14S, MW-14D, and MW-16) during the OU3 Groundwater RI can be found in Table 5-5. These samples were analyzed by Liberty Analytical Corporation. The results are presented as equivalent matrix pore water concentration ($\mu\text{g/L}$), calculated using estimated and directly measured physical properties such as wet rock bulk density, dry rock bulk density, matrix porosity, soil-water partitioning coefficients, and organic carbon partitioning coefficients. A detailed description of the methodology can be found in Appendix E.



At MW-14S and MW-14D, the equivalent pore water concentration of PCB Aroclor 1254 in the rock matrix ranged from less than 0.31 µg/L at depths of 74 to 231.5 feet bgs to 1,800 µg/L at 61.55 feet bgs. The equivalent pore water concentration of PCB Aroclor 1248 in the rock matrix ranged from less than 1.4 µg/L at depths of 74 to 231.5 feet bgs to 3,500 µg/L at 61.55 feet bgs. In addition, one detection was reported from the boring at MW-16, Aroclor 1254 was detected at 0.32 µg/L.

The results indicate that all of the detected PCB Aroclor mass was found in the 23 to 100 feet bgs depth interval in the bedrock beneath the overburden source area (MW-14S and MW-14D). The largest proportion of PCB Aroclor mass detected was found in the 23 to 75 feet bgs depth interval. The distribution of PCB results indicates that diffusion of PCBs into the rock matrix is limited (see Section 6.3.2 for a more detailed discussion).

5.6.2. Groundwater

Groundwater samples were collected and analyzed for PCB Aroclors by the USEPA ERT in August 2008 and by Louis Berger and ARCADIS/Malcolm Pirnie during two synoptic sampling rounds (October 2009 and March 2010) during the OU3 Groundwater RI. In addition, one FLUTE™ well (MW-23) was installed in December 2010, and two rounds of samples were collected and analyzed for PCB Aroclors (December 2010 and March 2011).

The highest concentration of PCB Aroclors was detected near the center of the former CDE facility, and nearly all of the exceedances are limited to shallow bedrock (Figure 5-24). The August 2008 event had PCB Total Aroclor exceedances in 7 samples, with the highest concentrations of PCB Total Aroclors found in MW-12 (152 J µg/L). All of the samples that exceeded the potential cleanup standard of 0.5 µg/L were located at the former CDE facility (MW-2A, MW-3, MW-5, MW-6, MW-8, MW-10, and MW-12) (Table 5-3). The October 2009 event showed a similar distribution of detections, with the highest concentration of PCB Total Aroclors found in MW-14S (12,900 µg/L) at a depth of 65 feet to 70 feet bgs. All of the samples that exceeded the potential cleanup standard of 0.5 µg/L were located at the former CDE facility, with the exception of ERT-2 (5.1J µg/L), MW-19 (4.7J µg/L), and MW-20 (2.7J µg/L) (Table 5-6). The March 2010 event was consistent with previous results, with the highest concentration of PCB total Aroclors found in MW-11 (190 J µg/L), and all of the samples that exceeded the potential cleanup standard of 0.5 µg/L were located at the former CDE facility (Table 5-7)(Figure 5-25).

The vertical distribution of PCB Total Aroclor concentrations in groundwater at the former CDE facility is generally highest at depths between 23 and 75 feet bgs, with concentrations falling off to non-detect at depths greater than 100 feet bgs. The areal distribution of PCB Total Aroclors is generally limited to the former CDE facility, with few exceptions during the October 2009 sampling event (Figure 5-24). Mobility of PCBs is limited by their low solubility and their affinity to sorb to organic matter in the soil and bedrock.



The concentration of PCB (Aroclor 1248) was 7,300 µg/L in one sample from MW-14S-04 during the October 2009 sampling event. This concentration exceeded the aqueous solubility limit for PCB (Aroclor 1248) of 100 µg/L. In addition, the concentration of PCB (Aroclor 1254) was 5,600 µg/L in one sample from MW-14S-04 during the October 2009 sampling event. This concentration also exceeded the aqueous solubility limit for PCB (Aroclor 1254) of 10 µg/L. This indicates that PCBs (Aroclor 1248 and 1254) were present in the groundwater collected during the October 2009 groundwater sampling event at concentrations indicative of the presence of NAPLs.

5.7. NATURE AND EXTENT OF INORGANIC CONTAMINATION

Aluminum, sodium, manganese and iron were detected across OU3 at concentrations that exceed their respective potential cleanup standards. The highest concentration of aluminum was found in October 2009 at MW-17 (6,200 µg/L) between 235 feet and 245 feet bgs. The highest concentration of sodium was found in March 2010 at MW-20 (691,000 µg/L) between 25 feet and 35 feet bgs. The highest concentration of manganese was found in March 2010 at MW-21 (2,020 µg/L) between 505 feet and 515 feet bgs. The highest concentration of iron was found in October 2009 at MW-10 (8,520 µg/L) between 37 feet and 52 feet bgs. These metals are regulated as secondary taste and quality (aka nuisance) contaminants and are generally considered to be naturally occurring.

There were no cadmium exceedances in the August 2008 sampling event, there was one cadmium exceedance in the October 2009 event at ERT-2 (4.6 µg/L) between 113 feet and 123 feet bgs, and one cadmium exceedance in the March 2010 event at MW-4 (16.8 µg/L) between 29 feet and 49 feet bgs.

Chromium exceeded the potential cleanup standard in only one well (MW-5) in all three sampling events. In the August 2008 event the concentration was 1,180 µg/L between 12 feet and 28 feet bgs. In the October 2009 event the concentration was 77.9J µg/L, and in the March 2010 event it was 96.8 µg/L.

Barium exceeded the potential cleanup standard in only two wells (MW-11 and ERT-2) in all three sampling events. There were three barium exceedances in the August 2008 event at MW-11 (2,380 µg/L) between 34 feet and 59 feet bgs, ERT-2 (6,950 µg/L) between 25 feet and 35 feet bgs, and ERT-2 (2,060 µg/L) between 40 feet and 50 feet bgs. There were two barium exceedances in the October 2009 event at MW-11 (2,610J µg/L) between 34 feet and 59 feet bgs and ERT-2 (8,790 µg/L) between 25 feet and 35 feet bgs. Lastly, there were two barium exceedances in the October 2009 event at MW-11 (2,650 µg/L) between 34 feet and 59 feet bgs and ERT-2 (8,330 µg/L) between 25 feet and 35 feet bgs.

The occurrence of aluminum and cadmium is sporadic, and is not consistent with the distribution of more soluble contaminants (VOCs) historically associated with the former CDE facility. Chromium exceedances were found in only one location (MW-5), and barium exceedances were limited to just two locations (MW-11 and ERT-2). While there



are few chromium and barium exceedances, they are limited to shallow bedrock, and their occurrence is generally consistent with a historic point source or release.

Arsenic was found at concentrations that exceed the potential cleanup criteria in a majority of the samples collected in each of the three events (Figure 5-26). The highest concentration of arsenic was measured in the October 2009 event at MW-22 (595J $\mu\text{g/L}$) between 305 feet and 315 feet bgs. Although arsenic is present at concentrations above the potential cleanup standards, the occurrence is widespread and does not suggest a point source or release. The concentrations are generally consistent with naturally occurring concentrations measured in domestic water supply wells in the Newark Basin (NJ Geological Survey, 2004).

Lead exceeded the potential cleanup standard in five samples from five locations (ERT-2, ERT-4, ERT-5, MW-6, and MW-12) in the August 2008 sampling event, with the highest concentration found at MW-12 (5.9 $\mu\text{g/L}$). There were exceedances in 11 samples from five locations (ERT-7, FPW, MW-14S, MW-17, and MW-21) in the October 2009 event, with the highest concentration found at MW-21 (20.9 $\mu\text{g/L}$) between 50 feet and 60 feet bgs. There were exceedances in 14 samples from nine locations (ERT-7, FPW, MW-3, MW-6, MW-12, MW-13, MW-14S, MW-19, and MW-21) in the March 2010 event, with the highest concentration found at MW-12 (32.9 $\mu\text{g/L}$). The lead exceedances are distributed widely (Figure 5-27), but occur consistently at the former CDE facility. The exceedances in the bedrock beneath the overburden source area (MW-14S, MW-12) are limited to shallow bedrock, and the occurrence of lead is generally consistent with a historic point source or release.

5.8. NATURE AND EXTENT OF DIOXIN CONTAMINATION

Following evaluation of PCB Aroclor data from the October 2009 sampling event, a subset of sampling locations were selected for analyses of PCB congeners, dioxins, and furans. The sampling locations were selected based on their location (in order to obtain a representative distribution horizontally and vertically) and the degree of PCB Aroclors detected in October 2009. Twenty-four groundwater sampling locations were selected to be sampled twice (March 2011 and July 2011) for PCB congeners, dioxins, and furans. Although there are no federal or state groundwater cleanup standards for individual PCB congeners or furans and only one standard for the individual dioxin compound, 2,3,7,8-Tetrachlorodibenzo(p)dioxin (2,3,7,8-TCDD), these data were used to calculate the Dioxin TEQ concentrations. Twelve dioxin-like PCB Congeners and 17 Dioxin/Furan congeners have been assigned a toxic equivalency factor (TEF) relative to the most toxic dioxin, 2,3,7,8-TCDD, by the World Health Organization (Van den Berg, et al., 2006). Dioxin TEQ values were calculated for each of the 24 samples collected in March and July 2010. These values were then compared to the potential cleanup standard for 2,3,7,8-TCDD (10 picograms per liter (pg/L)).

The Dioxin TEQ (Tables 5-12 and 5-13) exceeded the potential cleanup standard in six of the 24 sample locations (MW-1A, MW-3, MW-5, MW-11, MW-12, and MW-14S) in at least one of the two sampling events. The highest concentrations were detected in MW-



14S between 65 feet and 70 feet bgs during both events (Figure 5-28). All six sampling locations that exceeded the potential cleanup standard are located within the boundaries of the former CDE facility.

The mobility of dioxins is limited by their low solubility and their affinity to sorb to organic matter in the soil and bedrock. This is further evidenced by the sampling results, which show the extent of dioxin TEQ exceedances are limited to the former CDE facility. The concentrations seen in one sample from MW-14S, exceeds the general aqueous solubility limit for dioxin compounds.

5.9. NATURE AND EXTENT OF PESTICIDE CONTAMINATION

Pesticide compounds exceeded their respective potential cleanup standards in the August 2008 sampling event in 10 samples from nine locations (ERT-6, ERT-8, MW-01A, MW-02A, MW-3, MW-6, MW-7, MW-11, and MW-12), and the largest exceedance was the concentration of 4,4'-DDT found at MW-11 (14 JN $\mu\text{g/L}$). Results from the October 2009 event show there were pesticide exceedances in 22 samples from 13 locations (ERT-4, ERT-8, MW-02A, MW-4, MW-8, MW-9, MW-11, and MW-12, MW-14S, MW-14D, MW-15D, MW-16, MW-19, and MW-20), and the largest exceedance was the concentration of 4,4'-DDT found at MW-14S (4,000 JN $\mu\text{g/L}$) between 65 feet and 70 feet bgs (Figure 5-29). During the March 2010 event, there were exceedances in nine samples from seven locations (ERT-8, MW-5, MW-6, MW-9, MW-11, MW-12, and MW-14S), and the largest exceedance was the concentration of dieldrin found at MW-14S (350 JN $\mu\text{g/L}$) between 65 feet and 70 feet bgs.

Various pesticides, including 4,4'-DDT, dieldrin, chlorodane, and heptachlor were found at concentrations that exceed the MCLs in samples collected from wells on and off the former CDE facility during each sampling event. The highest concentrations, and the largest exceedances of the potential cleanup standards, were encountered at the former CDE facility.

Mobility of pesticides is limited by their low solubility and their affinity to sorb to organic matter in the soil and bedrock. This is further evidenced by sampling results, which show the highest concentrations are limited to locations at the former CDE facility. The concentrations seen in one sample from MW-14S-04 (between 65 feet and 70 feet bgs) during the October 2009 sampling event exceeded the aqueous solubility limit for 4,4'-DDT.

5.10. NATURE AND EXTENT OF SVOC CONTAMINATION

Semi-volatile organic compounds, specifically Polycyclic Aromatic Hydrocarbons (PAHs), were detected at several locations across OU3. PAH detections exceeded their respective potential cleanup standards in the August 2008 sampling event in one sample from one locations (MW-12), and the largest exceedance was the concentration of benzo (a) pyrene (1.2 JN $\mu\text{g/L}$). Results from the October 2009 event show there were PAH exceedances in 29 samples from 9 locations (ERT-1, ERT-3, ERT-4, ERT-8, MW-02A,



FPW, MW-14S, MW-19, and MW-21), and the largest exceedance was the concentration of benzo (a) pyrene found at ERT-1 (4.3 J $\mu\text{g/L}$) between 100 feet and 105 feet bgs. During the March 2010 event, there were PAH exceedances in 20 samples from eight locations (ERT-2, ERT-5, ERT-7, MW-02A (DUP), MW-6, MW-12, MW-16, and MW-18), and the largest exceedance was the concentration of dibenzo (a,h) anthracene found at MW-6 (5.5 $\mu\text{g/L}$).

The disparate occurrence of PAHs is not consistent with the distribution of more soluble contaminants (VOCs) historically associated with the former CDE facility. These compounds are combustion by-products, and are relatively ubiquitous in urban/industrial environments.

5.11. ADDITIONAL ANALYSES AND DATA

5.11.1. Microcosm Testing

Twenty-one samples were collected from FLUTETM wells during the March 2010 sampling event and analyzed for microbiological parameters (Table 3-2) by BCI. The data showed that every sample contained sulfate-reducing bacteria, nine samples contained methanogens, and eleven samples contained microbes capable of dechlorinating TCE to cDCE. Samples collected from four ports (MW-14D-01, MW-14S-04, MW-16-05, and MW-16-07) showed that VC and ethene were produced from TCE and cDCE in microcosms, indicating that the unique bacterium *Dehalococcoides ethenogenes* (DHE) was active in those four samples.

Two of the groundwater samples taken from the bedrock beneath the overburden source area (14S-01 and 14S-02) arrived at BCI containing low but significant concentrations of ethene (>30 $\mu\text{g/L}$) and VC (>460 $\mu\text{g/L}$), but did not show a significant increase in the daughter products of reductive dechlorination by DHE during the test period (85 days). This may be the result of active dechlorination in the matrix, with additional dechlorination taking place on (adsorbed to) the fracture surfaces, but with very little to no DHE present in the aqueous phase. BCI has worked with matrix and groundwater samples from other sites, which indicate that DCE-dechlorinating bacteria can be tightly adsorbed to the matrix while not being detected in groundwater samples. The complete data report from BCI can be found as Appendix U.

5.12. INTEGRATED PUMPING TESTS

Two integrated pumping tests were conducted to evaluate the potential mass discharge (flux) from the bedrock beneath the overburden source area, to define the area of influence created by pumping. The following is a brief summary of the evaluation of mass discharge; however, a complete summary of the integrated pumping test procedures and results is presented as Appendix L.



5.12.1. Test Well SW

Nine target PCB Aroclors and 52 target VOCs were tested for in 17 environmental samples. Seven VOCs were detected in samples taken during the integrated aquifer pumping test: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2-Hexanone, cDCE, tDCE, TCE, and VC (Appendix L). TCE was detected in every sample, and concentrations ranged from 140,000 to 180,000 µg/L. cDCE was also detected in every sample, and concentrations ranged from 320,000 to 390,000 µg/L. VC was detected in 9 of the 17 samples, and concentrations ranged from 600 to 900 µg/L. Of the nine target PCB Aroclors, detections occurred for Aroclor-1232 and Aroclor-1254 only. Aroclor-1232 detections ranged from 45 to 78 µg/L and Aroclor-1254 detections ranged from 6.2 to 13 µg/L. Aroclor-1232 was detected in all of the samples and Aroclor-1254 was detected in 15 of the 17 samples.

The mass flux discharge (mass/time), found by multiplying the total concentration (mass/volume) by the discharge rate (volume/time), was calculated for total CVOCs and PCBs removed during the integrated aquifer pumping test. Results of these calculations are in Table 4-4 of Appendix L. The average mass flux for total CVOCs was 210,457 micrograms per minute (µg/min) and the maximum recorded mass flux was 238,216 µg/min (Figure 5-30). The sample concentrations of total CVOCs showed an increasing trend over time, peaking at 572,090 µg/L after 40 hours of pumping. The average CVOC mass flux was 0.67 lbs/day.

The total PCB Aroclor concentrations and corresponding mass flux calculations show a decreasing trend over time. The average mass flux for total PCB Aroclors was 30.61 µg/min and the maximum was 36.06 µg/min (Figure 5-31). The maximum average concentration corresponds to the sample taken 11 hours into the 48-hour test. The maximum instantaneous total PCB Aroclor concentration of 86.6 µg/L was also observed in this sample. The average PCB Aroclor mass flux was 9.7×10^{-5} lbs/day.

5.12.2. Test Well TW

Nine target PCB Aroclors and 52 target VOCs were tested for in 24 groundwater samples. Twenty-three VOCs were detected in samples taken during the integrated aquifer pumping test (Appendix L). Of the CVOCs, PCE had 23 of 24 detections ranging from 7.6 to 13 µg/L, TCE had 24 of 24 detections ranging from 1,500 to 4,800 µg/L, cDCE had 24 of 24 detections ranging from 930 to 10,000 µg/L, and VC had 23 of 24 detections ranging from 39 to 58 µg/L. Of the nine target PCB Aroclors, only Aroclor-1232 and Aroclor-1254 were detected. Aroclor-1232 concentrations ranged from 40 to 660 µg/L and Aroclor-1254 concentrations ranged from 4.4 to 650 µg/L. Aroclor-1232 and Aroclor-1254 were detected in all of the samples.

The mass flux discharge (mass/time), found by multiplying the total concentration (mass/volume) by the discharge rate (volume/time), was calculated for total CVOCs and PCBs removed during the intermediate water bearing zone integrated aquifer pumping test. Results of these calculations are in Table 4-8 of Appendix L. The average mass



flux for total CVOCs was 399,856 µg/min and the maximum recorded mass flux was 467,649 µg/min (Figure 5-32). The sample concentrations of total CVOCs and therefore the mass flux values showed an increasing trend over time, peaking at 15,462 µg/L at the end of the integrated pumping test. The average CVOC mass flux was 1.27 lbs/day.

The total PCB Aroclor concentrations and mass flux calculations showed a decreasing trend over time. The average mass flux for total PCB Aroclors was 2,426 µg/min and the maximum was 10,467 µg/min (Figure 5-33). This maximum corresponds to the second sample taken 30 minutes into the 48 hour test. The maximum instantaneous total PCB Aroclor concentration was also observed in this sample with a concentration of 1,310 µg/L. The average PCB Aroclor mass flux was 7.7×10^{-3} lbs/day.

5.13. EDR DATABASE SEARCH

Louis Berger and ARCADIS/Malcolm Pirnie obtained a listing of Federal and State environmental databases identifying contaminated sites located in the vicinity of the former CDE facility. A private database management firm, EDR of Milford, Connecticut, was contracted to provide this information. The Federal and State lists included in the EDR Database Report are compiled from government agency sources and presented in a consolidated format. A copy of the EDR Database Report is provided in Appendix N. A list of databases searched, geographic areas included in the search, and acronyms used are provided in the EDR Database Report.

In addition, Louis Berger and ARCADIS/Malcolm Pirnie performed a more in-depth review of specific sites from the EDR Database Report that were identified on the NPL, the Federal Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), the PCB Activity Database (PADS), or sites with records containing any COCs or their degradation products (Table 5-14). This further narrowed the search to include only those sites with the greatest magnitude of contamination and those which could potentially impact levels of COCs at and around the former CDE facility. The in-depth search combined the use of USEPA and NJDEP databases including:

- NJDEP GIS CEA records: <http://www.state.nj.us/dep/gis/stateshp.html>
- NJDEP Data Miner: http://datamine2.state.nj.us/dep/DEP_OPRA/
- USEPA Envirofacts: <http://www.epa.gov/enviro/>

Supplementary information was also taken from the 2006 Tetra Tech CSM Report (Tetra Tech, 2006). A summary of these findings can be found in Table 5-14, which is cross-referenced to Figure 5-34 and Figure 5-35, discussed below.



5.13.1. Review of Database Search Results

An in-depth review of specific sites from the EDR Database Report was performed to determine whether additional information existed on affected media, contaminant extent, contaminant type, CEA permits, and site status that would aid in assessing the potential sources of contamination at or around the former CDE facility. These sites included NPL, CERCLIS, PADS, those identified as potential sources in the 2006 Tetra Tech CSM, and those sites with records containing any COCs or their degradation products.

Historical groundwater flow patterns show water travelling perpendicular to the bedrock strike of the main fracture system in the vicinity of the Site. Therefore, with strike N65E and groundwater generally flowing in a SE to NW direction, sites in the up-gradient direction are more likely to be a source of on-Site contamination at the former CDE facility (Figure 5-34). Pertinent potential sources of contamination from Table 5-14 are discussed in more detail below.

5.13.1.1. National Priority List Sites

Five NPL sites found within the 5-mile radius of the former CDE facility are unlikely sources of COCs at the former CDE facility (Figure 5-35). The Renora site, while still on the CERCLIS list, has been deleted from the NPL and is located approximately 4.8 miles to the southeast of the former CDE facility. Just north of the Renora site lies the Chemical Insecticide Corporation (CIC) site. While the CIC site has a large Classification Exemption Area (CEA) permit for groundwater to 100 feet bgs for TCE (8.1 µg/L), cDCE (110 µg/L), and Ethylbenzene (74 µg/L), the low detections and the distance of four miles do not support this site being a potential source of contamination. Similarly, the Middlesex Sampling Plant and the Chemsol, Inc. sites are located 4.3 and 1.9 miles west-southwest of the former CDE facility, respectively, and both have recorded detections of COCs. Finally, the Woodbrook Road Dump site, located one mile south of the former CDE facility is also not considered a potential source of contamination because CVOCs were not detected in groundwater at the site.

5.13.1.2. CERCLIS Sites

Of the 24 sites listed in the CERCLIS database within five miles of the Hamilton Boulevard location, only two are located within one mile up-gradient of the former CDE facility. Hummel Chemical is classified as a CERCLIS site as well as a State Hazardous Waste Site (SHWS), NPDES, and LUST. No information could be located on particular COCs; however, USEPA/NJDEP records show some type of soil and groundwater contamination existed. USEPA/NJDEP databases show two underground gasoline storage tanks were removed in 1976. Based on available information, the site's lower elevation, and the lack of a CEA for this site, it is not considered a potential source of contamination. The other CERCLIS site within one mile is Ferro Corp. This site is classified as a CERCLIS, Brownfield, Federal RCRA Corrective Action Activity list, and NPDES. The latest information available indicates that as of June 1995, this site had "undetermined" contamination confirmation and a remedial level had "not yet [been]



determined”. No other information exists for this site in the USEPA/NJDEP databases and no CEA exists.

5.13.1.3. PCB Activity Database Sites

Although there are three PADS locations up-gradient of the former CDE facility, Boro Auto Wreckers is the only site within a 3-mile radius. Boro Auto Wreckers, one mile southwest of the former CDE facility (higher elevation), is located at 2271 Hamilton Boulevard. There has been confirmed PCB contamination of the groundwater and soil at the site, which is a PADS, SHWS, Historical HWS, Brownfield, and NPDES.

5.13.1.4. Known Contamination Sites (SHWS)

There are several SHWS sites within one mile of the former CDE facility, but only three sites were preliminarily identified as potential sources of contamination: Eco-Pump Corp./Bolt Street Corp, CP Manufacturing Inc., and Prosoco Inc. Eco-Pump Corp., located at 2387 S. Clinton Ave., 1.0 mile west-northwest from the former CDE facility, has known groundwater and soil contamination. A CEA exists for TCE (404,000 µg/L), DCE (7,200 µg/L), and several other CVOCs. It is classified as a US/State INST Control, SHWS, and Brownfield site. These concentrations are high in comparison to contaminant levels at the former CDE facility, and the CEA extends to 150 feet bgs. The Eco-Pump site is not likely a source of contamination as defined by the monitoring well network. CP Manufacturing Inc., located at 101 Kentile Road, 0.5 miles east-southeast from the former CDE facility, has known groundwater and soil contamination. A CEA exists for TCE (160 µg/L), DCE (2.2 µg/L), and PCE (4.6 µg/L). While these concentrations are low in comparison to contaminant levels at the former CDE facility, the CP Manufacturing site could be a potential source of contamination to the eastern side of the delineated impacts from the former CDE facility. Prosoco Inc. is located at 111 Snyder Road, 0.7 miles southwest of the Former CDE Facility. It is classified as a US/State INST Control, SHWS, Historical HWS, Brownfield, and NPDES site. This site not considered a source of contamination because the 10 foot bgs CEA for this site is only for ethylbenzene (790 µg/L).

5.13.1.5. Other Potential Sources

United Steel Deck, a Historical HWS and NPDES site on 14 Harmich Road, was initially identified as a potential contaminant source in the 2006 Tetra Tech CSM. Located east-southeast 0.8 miles from the former CDE facility, the site has a 10 foot bgs groundwater CEA for concentrations of 205,000 µg/L of sodium. Upon discovery of this CEA information, it was no longer considered a source of contamination for the former CDE facility.

5.13.2. The “Pitt Street” Well Contamination Study

In a report published in September 1990, the NJDEP summarized their findings from approximately 180 residential well samples analyzed for volatile organic compounds in



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what is referred to as the “Pitt Street” area. Most of the wells were clustered just southwest of the former CDE facility but some are located as far north as Cedarbrook Avenue and as far south as Green Place. While TCE and PCE had the highest and most wide-spread detections, DCE, 1,1-Dichloroethene, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Toluene, VC, and MTBE were also detected. This area was then designated a CKE (Currently Known Extent of Groundwater Contamination) by NJDEP and the source of the contamination is still considered unknown. Figure 5-36 shows the location of the current CKE and TCE results from the 1989-1990 sampling event. For full results see the NJDEP “Pitt Street Private Wells, South Plainfield Borough, Middlesex County, Interim Ground-Water Impact Area” (1990).

There are several lines of evidence that suggest the former CDE facility is not the source of impacts at much of the Pitts Street Well Contamination Study including:

- The Pitt Street CKE is mostly cross-gradient and upgradient from the former CDE facility, based on regional groundwater contours generated by the OU3 MODFLOW model;
- The former CDE facility is not the source of many of the CVOC detected in the Pitt St study area;
- ERT-5, ERT-6, and MW-18 may be impacted by more than one source some of which are upgradient of the Pitt Street CKE;
- Historic groundwater gradients are not known, but based on the records available and the modeling results, the Park Avenue Wellfield is currently, and was historically (prior to the operation of the South Plainfield and Spring Lake wellfields), the dominant hydraulic controlling factor controlling the fate and transport of CVOC from the former CDE facility;
- The Former Production Well, during operation, would have been a dominant factor influencing the fate and transport of CVOC from the former CDE facility and prevented the migration of CVOCs to the Pitt Street area;
- The Spring Lake Wellfield, during operation, would have been a dominant factor influencing the fate and transport of CVOC from the former CDE facility and prevented the migration of CVOCs to the Pitt Street area; and
- The South Plainfield Wellfield, during operation, would have been a dominant factor influencing the fate and transport of CVOC from the former CDE facility and prevented the migration of CVOCs to the Pitt Street area.

However, the results are not conclusive and the nature and extent of potential impacts to the entire Pitt Street Study Area are not known. The groundwater impacts at ERT-5, ERT-6, and MW-18 (located within the Pitt Street Study Area) have been included in the impacts from the former CDE facility until such time that conclusive data is generated to show that the impacts are not associated with the former CDE facility. The groundwater



impacts in the northeast portion of the Pitt Street Study Area (northwest of the former CDE facility) appear to be impacted by the former CDE facility.

5.14. Private Well Search

5.14.1. 5-Mile Radius Well Search Summary

A survey of groundwater withdrawal points (well search) of at least 80,000 gallons per day (gpd) within a five mile radius of the former CDE facility was provided by the NJDEP Bureau of Water Allocation (Table 5-15). The resulting 101 wells were affiliated with 22 different property owners. The majority of the wells are owned by Middlesex Water Company (31 wells) and Elizabethtown Water DBA/NJ American Water (34 wells). Of the 101 wells identified, three had production rates between 80,000 - 100,000 gpd, 78 had production rates between 100,000 - 1,000,000 gpd, 14 had production rates above one million gpd, and six had no production rate information listed. Over 80 percent of the wells draw water from the Brunswick Aquifer (primarily the Passaic Formation). The remaining 20 percent draw water from unconsolidated stratified drift/glacial sands and gravels.

5.14.2. 1 Mile Radius Well Search Private Well Summary

Numerous private, industrial, and municipal wells tap the formation at or near the site study area and, as part of this RI, EPA searched for wells in the area that may be in use. In addition to the 5-mile radius well search, a survey of all groundwater withdrawal points (well search) within a 1-mile radius of 333 Hamilton Blvd. was also provided by the NJDEP Bureau of Water Allocation (Table 5-16). Of the wells identified in the 1-mile radius search, there were three commercial supply wells, 75 domestic wells, four irrigation wells, and 11 industrial supply wells. The USEPA is contacting well owners to determine if the wells are active. Figure 5-37 shows the distribution of the wells, however, the imprecise nature of the spatial data associated with each well record results in a “gridded” distribution of wells.

Of the wells identified within the 1-mile radius through NJDEP’s well registry database and other resources, to date, EPA has identified 40 potential wells predominantly downgradient and within one-mile of the site (31 residential wells and nine wells designated for industrial/municipal - non-drinking - purposes), and has visited each identifiable location. Most of the locations from NJDEP’s registry were older private wells (e.g., installed before the 1960s) and EPA was able to determine that the wells were no longer in service or no longer existed. EPA identified one private drinking water well associated with a home up gradient of the site. Though not affected by the site, EPA still sampled this well, and found no detectable contamination. EPA, also identified four wells used by the Borough and the South Plainfield School District for a variety of purposes, from irrigation to filling the municipal swimming pool. EPA sampled these wells, detecting levels as high as 99 µg/L TCE. EPA then evaluated the potential for exposures to users of the municipal facilities where the wells were found (irrigated land, pool water) and to workers that operated the wells and associated equipment. EPA did



not identify unacceptable exposures. Finally, EPA tested the end user locations (irrigated land, the pool water) and did not detect any residual TCE. This is not surprising: TCE poses a threat through consumption (drinking water) or vapor exposure (collecting in an enclosed space like a basement), but quickly evaporates from surface water, alleviating the potential for exposure.

5.15. Middlesex Water Company

At the request of the USEPA, the Middlesex Water Company provided water quality data for the Spring Lake, Maple Avenue, and Park Avenue wellfields. The data included:

- The concentration of various compounds including PCE and TCE from 1983 to 1988 in each well at the Park Avenue wellfield;
- The total influent concentration of various compounds including PCE and TCE in the Park Avenue (2002-2005), Maple Avenue (2002-2003), and Spring Lake (2002-2003) wellfields;
- The concentration of total VOCs and TCE in each Spring Lake well from 1991 to 1993; and
- The concentration of Perchlorate in Maple Avenue, Park Avenue, and Spring Lake wellfields from 1999, 2001, 2002, and 2003.

The concentration of TCE in the Spring Lake wells is shown in Table 5-17 and on Figure 5-38. These data show that the concentration of TCE in Spring Lake Well No. 5 was over 100 ug/L from 1991 to 1993 and the concentration of TCE in Spring Lake Well No. 6 was over 200 ug/L from 1990 to 1993. Water quality data collected from the influent to the Spring Lake treatment plant that includes water from all of the Spring Lake wells is presented in Table 5-18 and on Figure 5-39. The concentration of TCE ranged from 82 to 200 ug/L from January 2002 to July 2003. The concentration of PCE ranges from 0.52 to 1.2 ug/L during the same time period. This TCE was likely from the former CDE facility.

Water quality data from 1983 to 1988 in the individual Park Avenue Wells are presented in Tables 5-19 and 5-20 and on Figures 5-40 and 5-41. These data show that Park Avenue Wells Nos. 18-24 and 30-31 were being impacted by sources of PCE and TCE. Even though the pumping rates of the Park Avenue wells were low during this time period compared to earlier time and later periods, the concentration of PCE and TCE in Park Avenue Well No. 25, identified as a potential receptor by groundwater flow modeling, contain less than 5 ug/L of PCE and TCE at that time. The concentration of PCE and TCE entering the Park Avenue treatment plant that includes water from all of the operating Park Avenue wells from 2002 to 2005 is shown in Table 5-21 and on Figure 5-42. These data show that the Park Avenue wellfield was being impacted by sources of



PCE and TCE from 2002 to 2005 and that the concentration of PCE is approximately twice as high as the concentration of TCE.

There is no water quality data available to characterize the concentration of PCE and TCE in Park Avenue Well No. 25 or any other the other Park Avenue wells after 1988; therefore, there is insufficient Park Avenue water quality data or monitoring well water quality data available to confirm that the Park Avenue wellfield has been impacted by the former CDE facility.



6. FATE AND TRANSPORT

6.1. INTRODUCTION

This section discusses the migration potential and probable environmental fate of COCs identified throughout OU3. First, probable contaminant transport and attenuation mechanisms are discussed in the context of a fractured sedimentary bedrock environment, where contaminant behavior is subject to strong dispersion and molecular diffusion effects. Next, the Site-specific conditions governing the fate and transport of the COCs are discussed. This information is synthesized to form the site conceptual model presented in Section 7.

6.2. CONTAMINANT TRANSPORT AND ATTENUATION MECHANISMS

This section provides an overview of fluid flow mechanisms relevant to dissolved contaminant transport as well as DNAPL transport in fractured sedimentary rock.

6.2.1. Advection

Advection is the movement of dissolved or suspended chemicals by the displacement of the fluid (i.e., groundwater). As such, advection moves dissolved or suspended chemicals along, not across, groundwater flow paths. Advection is often the dominant transport process in the movement of chemicals in groundwater, especially where the aquifer material is composed of coarse granular material. Studies of contaminant migration in granular material generally estimate the advance of the leading edge of the aqueous mass by dividing the average linear groundwater velocity by the effective porosity of the formation (Freeze and Cherry, 1979).

When this concept is applied to a fractured rock setting in which the advective transport is occurring in a developed network of fractures, the effective porosity of the fracture network is generally several orders of magnitude lower than in granular media (rock matrix). The net effect is that the calculated linear groundwater velocity in the fractured media is very high. However, several field studies have shown that the actual rate of advance of the leading edge of the aqueous mass in fractured sedimentary rock is much lower than the calculated (predicted) value. The ratio between the calculated average linear velocity and the observed advance rate of the leading edge of the aqueous mass is referred to as plume front retardation (Lipson et al, 2005), and is generally thought to be a result of the net effect of diffusion (into a porous rock matrix), sorption, facilitated transport, dispersion, volatilization, and transformational processes. These processes are further described below.



6.2.2. Diffusion

The traditional understanding of groundwater systems pre-supposed that mass transport due to diffusion is negligible relative to transport due to advection and dispersion. However, studies conducted over the past two decades have increasingly focused on the importance of matrix diffusion of dissolved contaminants as a transport process in fractured sedimentary rock environments.

The driving force for diffusion of dissolved contaminant mass into the sedimentary rock matrix is the concentration gradient between the aqueous phase present at the fracture surface and the essentially immobile pore water in the matrix. For contaminants that are present as an immiscible phase (i.e., DNAPL), dissolution processes are intertwined with matrix diffusion processes. Parker et al. (1994) investigated DNAPL dissolution and subsequent diffusion in fractured porous media, and presented a detailed conceptual model for diffusive disappearance of DNAPL in fractured geologic media. In this model, flow of immiscible-phase liquids in fractured rock is expected to occur almost exclusively in the fractures. Given that the void space due to fractures is relatively small relative to the pore space of the rock, the immiscible-phase liquids will spread extensively and eventually occupy a large volume of the bulk medium. One result of this extensive spreading is that the DNAPL exhibits a very large surface area to volume ratio. Dissolution of the DNAPL into the contiguous water layer creates a concentration gradient in the aqueous phase directed from the fractures into the matrix. The capacity of the matrix to accumulate chemicals in the dissolved and sorbed phases may exceed the capacity of the fractures to store the DNAPL. As dissolution and diffusion proceed, the amount of DNAPL in the fractures is diminished and, eventually, nearly all the contaminant mass may be transferred to the rock matrix. The diffusing aqueous phase contaminant in the matrix can both continue to travel further into the matrix and can sorb to the matrix solid. This process leads to the disappearance of DNAPL into the matrix (Parker et al., 1994).

In the early stages, diffusion into the rock matrix can be considered an attenuation process (Lipson et al., 2005). After an extended period of time, as clean water is flushed through the fractures, the concentration gradients adjacent to the fractures reverse, resulting in contaminant removal from the rock matrix at a rate controlled by diffusion and desorption from the matrix. This process is termed “back-diffusion”. Removal of mass due to back-diffusion takes longer than the time period for inward diffusion due to much lower concentration gradients in the reverse direction. In addition, continued inward diffusion toward the center of the matrix blocks (between fractures) occurs until the highest concentration exists in the center of the matrix blocks. In this scenario, the impacted matrix rock becomes a source of contamination to groundwater, and can be the source of contaminant mass for decades to centuries.

6.2.3. Sorption

Sorption, a general class of surface reactions, is the process by which dissolved substances in groundwater bind chemically and/or physically to the surface of aquifer



material (in this case a fracture surface or surface of rock matrix following diffusion into the rock). Although sorption is not irreversible, its effect is to reduce a compound's mobility in groundwater and retard the compound's rate of migration in an aquifer. Sorption does not alter the total mass of a contaminant, but the associated reduction in mobility may lead to substantial reduction in risk to human and ecological health. The specific mechanisms of sorption for organic compounds may differ from that of inorganics. Ion exchange is one type of surface reaction in which the specific binding mechanism is the electrolytic attraction between the charged ion in solution and the charged surface of a particle, usually clay minerals or other oxides. Another mechanism by which dissolved cations bind with particles is isomorphous substitution, where a dissolved cation replaces another cation in the crystal lattice of clay minerals. Except under extreme conditions or during clay mineral formation, isomorphous substitution is not expected to be an important attenuation mechanism in most groundwater environments. Since the specific binding mechanism is not always explicitly known, the term sorption is generally applied to all forms of chemical and physical binding with aquifer material.

6.2.4. Facilitated Transport

In certain cases, a compound may sorb to a colloid or other mobile solid within an aquifer. Alternatively, the presence of surfactants or co-solvents may serve to reduce the compound's actual sorption potential by the mechanisms described below. In either case, the theoretical compound mobility (based on advective flow and chemical sorption potential with a particular aquifer material) is less than transport facilitated by the mobile colloids.

The co-solvent effect occurs when a miscible organic compound such as a chlorinated solvent DNAPL is present in sufficient concentration to reduce the sorption coefficient of an hydrophobic organic compound (HOC) so that it is more soluble in solution. Since many sites often have multiple sources, it is common to find strongly sorbing organic compounds and metals along with miscible organic compounds.

Surfactants are another class of compounds that act to alter the sorption coefficient of a surface. This may lead to an increase in concentration of a chemical in solution that is typically sorbed. Surfactants may be naturally occurring or introduced into the environment.

Facilitated transport occurs most often because organic and inorganic compounds sorb onto colloids. Colloids are defined as particles of less than 10 micrometers (μm) in diameter. Colloids may be organic or inorganic in composition. Organic colloids are further characterized as biocolloids such as bacteria or spores, macromolecules such as humic substances and organic fibers, and NAPL, such as oil droplets and surfactants. Inorganic colloids include clays, metal oxides, and inorganic precipitates which may or may not be naturally occurring.



6.2.5. Dispersion

Dispersion is the mixing of dissolved chemicals resulting from differences in groundwater velocity (magnitude and direction) between pores or fractures of varying size and shape. As such, dispersion results in the spreading of dissolved constituents both parallel and perpendicular to groundwater flow. While conventional borehole logging and flow metering may only indicate two or three active fractures in a borehole, the DFN approach suggests that very large numbers of smaller scale fractures are involved in contaminant migration (Parker, 2007). Geophysical logging results from boreholes drilled at OU3 indicate a dense fracture network with an average fracture spacing of one every foot. The geophysical log plots provided in Appendix F also show a high frequency of 'open' and 'less-open' fractures throughout the length of each borehole. As such, dissolved contaminants move through this dense fracture system and eventually into the pores of the rock matrix by chemical dispersion.

6.2.6. Volatilization

Volatilization is the process by which mass of a certain compound is transferred from the aqueous phase to the gaseous phase. The aqueous phase may include an immiscible non aqueous fraction or a compound dissolved in groundwater. The factors that affect a compound's volatilization include the vapor pressure, solubility, and molecular weight. The Henry's Law constant, defined as the vapor pressure divided by the aqueous solubility, characterizes a compound's tendency to volatilize. Compounds with a high Henry's Law constant are more volatile. Volatilization of Site-related compounds and subsequent risk of vapor intrusion into structures in the vicinity of the former CDE manufacturing facility are being investigated by the USEPA under OU1.

6.2.7. TRANSFORMATION PROCESSES

Contaminant transformation processes are either abiotic or biologically mediated. The most significant abiotic transformation processes for chlorinated ethenes typically occur in the presence of reduced minerals, such as iron sulfide (FeS). These processes are likely limited at OU3 because, based on the groundwater geochemistry, conditions are not sufficiently reducing to support abiotic reductive dechlorination. Some oxidation of substituted aromatic compounds (e.g., ethylbenzene) is known; however, reaction rates are slow. Inorganic compounds are not subject to degradation. However, geochemical conditions such as pH and ORP influence the speciation (valence-state) of metals, which may affect both their toxicity and mobility.

Intrinsic biodegradation occurs when indigenous microorganisms work to bring about a reduction in the total mass of contamination in the subsurface without artificial intervention (e.g., the addition of carbon substrate or nutrients). Because of the importance of biodegradation, and to provide a foundation for interpreting Site data, the following subsections review the major biodegradation mechanisms that may act upon chlorinated solvents as well as the other COCs present at OU3.



6.2.8. Biodegradation of Chlorinated Ethenes

The mechanisms of chlorinated solvent biodegradation are described in detail in the “Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Groundwater” (USEPA, 1998) and in “Principles and Practices of Enhanced Anaerobic Bioremediation of Chlorinated Solvents” (AFCEE et al., 2004). The following sections provide a summary of the discussions in these documents.

Chlorinated solvents can be transformed, directly or indirectly, by three fundamentally different biological pathways. These pathways are as follows: use of the solvent as an electron acceptor; use of the solvent as an electron donor; or cometabolism. At a given site, one or all of these processes may be operating, although, the use of chlorinated solvents as electron acceptors appears to be the most important degradation mechanism.

6.2.8.1. Reductive Dechlorination

The most important process for the natural biodegradation of the more highly chlorinated solvents is reductive dechlorination. During this process, the chlorinated compound is used as an electron acceptor, not as a source of carbon, and a chlorine atom is removed and replaced with a hydrogen atom. In general, reductive dechlorination of chlorinated ethenes occurs by sequential dechlorination from PCE to TCE to DCE (primarily the cDCE isomer) to VC to ethene. Depending upon environmental conditions, these sequences may be interrupted, with other processes such as aerobic or abiotic degradation then acting upon the products. Reductive dechlorination of chlorinated solvents is associated with the accumulation of daughter products and an increase in metabolic byproducts such as chloride.

Reductive dechlorination affects chlorinated compounds differently. Of the ethenes, PCE is the most susceptible to reductive dechlorination because it is the most oxidized. Conversely, VC is the least susceptible to reductive dechlorination because it is the least oxidized of these compounds. In general, the rate of reductive dechlorination of chlorinated solvents has been observed to decrease as the degree of chlorination decreases. It has been postulated that this rate decrease may explain the accumulation of VC and cDCE mass relative to PCE and TCE mass where reductive dechlorination is occurring.

In addition to being affected by the degree of chlorination of the compound, reductive dechlorination also can be affected by the ORP of the groundwater system. For example, dechlorination of PCE and TCE to DCE can proceed under mildly reducing conditions such as nitrate reduction or iron (III) reduction, while the transformation of DCE to VC, or the transformation of VC to ethene requires more strongly reducing conditions.

Reductive dechlorination of some compounds also has been shown to preferentially produce specific daughter compounds. For example, during reductive dechlorination of TCE or PCE, all three isomers of DCE can theoretically be produced. However, it has been found that during biodegradation, cDCE is a more common intermediate than tDCE,



and that 1,1-DCE is the least prevalent intermediate of the three DCE isomers. USEPA (1998a) proposes that if cDCE makes up more than 80 percent of the total DCE in a delineated aqueous mass, then the DCE is likely the product of reductive dechlorination of TCE.

When chlorinated compounds are used as electron acceptors, there must be an appropriate source of organic carbon to be used as electron donors for microbial growth. Potential carbon sources/electron donors can include natural organic matter, fuel hydrocarbons, or other anthropogenic organic compounds.

Current literature suggests that anaerobic reductive dechlorination of chlorinated ethenes is carried out by relatively few metabolic classifications of bacteria. These groups, which may behave very differently from one another, include methanogens, sulfate-reducing bacteria, and dechlorinating bacteria. The bacteria that can reduce PCE and TCE to cDCE appear to be ubiquitous in the subsurface environment. However, complete dechlorination of PCE or TCE to ethene by a single species has been demonstrated in the laboratory only for DHE. DHE appear to be common, but not ubiquitous, in the environment.

6.2.8.2. Electron Donor Reactions

Under aerobic conditions or weakly reducing conditions, some chlorinated solvents can be utilized as an electron donor in biologically mediated redox reactions. In contrast to reactions in which the chlorinated compound is used as an electron acceptor, only the least oxidized chlorinated solvents (e.g., VC and DCE) may be utilized as electron donors in biologically mediated redox reactions. McCarty (1993) describes investigations in which VC and 1,2-Dichloroethane (1,2-DCA) were shown to serve as electron donors.

6.2.8.3. Cometabolism

When a chlorinated solvent is biodegraded through cometabolism, it serves as neither an electron acceptor nor a primary substrate in a biologically mediated redox reaction. Instead, the degradation of the chlorinated solvent is catalyzed by an enzyme or cofactor that is fortuitously produced by organisms for other purposes. The organism receives no known benefit from the degradation of the chlorinated solvent; rather, the cometabolic degradation of the chlorinated solvent may in fact be harmful to the microorganism responsible for the production of the enzyme or cofactor. Cometabolism is best documented in aerobic environments. It has been reported that under aerobic conditions chlorinated ethenes, with the exception of PCE, are susceptible to cometabolic degradation, and that the rate of cometabolism may increase as the degree of halogenation decreases.

6.2.9. Biodegradation of Other Organic COCs

PCBs are very stable and persistent in the environment, and therefore, are slow to degrade. They persist because the organisms which degrade such wastes are unable to



break the strong bond made between the chlorine atom and the biphenyl structure. In general, the rate of biodegradation tends to be higher for low-molecular weight compounds. The ability of PCBs to be degraded or transformed in the environment depends on the degree of chlorination of the biphenyl molecule in addition to the isomeric substitution pattern (ATSDR, 2000). Dioxins and furans have also been found to be very persistent in the environment due to their low solubility in water and affinity for organic matter. Bacterial degradation of dioxins and furans is possible but it is a very slow process and is usually limited by the populations of organisms in the native material. While both volatilization and photolysis will remove 2,3,7,8-TCDD from surface water with a half-life approximately 1 to 3 years, contaminants buried a few inches below the surface or in groundwater may have a half-life of 10 to 12 years or more (ATSDR, 1989).

6.3. FATE AND TRANSPORT OF COCs IDENTIFIED AT CDE OU3

6.3.1. Chlorinated Ethenes

DNAPLs are denser than water, typically less viscous than water, often resulting in rapid rates of subsurface migration. Additionally, these compounds typically have low K_{oc} values (the affinity of a compound to adsorb to soil and is dependent on the amount of organic carbon present in the system), indicating a low degree of sorption. As discussed above, preferential DNAPL migration through the larger aperture fractures subsequently establishes an aqueous concentration gradient driving mass into the porous matrix by diffusion (Parker, 2007).

Shallow rock matrix TCE pore water equivalent concentrations from MW-14S are approximately 10% of the solubility limit (Figure 6-1), and the concentrations in the rock matrix generally exceed the aqueous concentrations from adjacent monitoring ports. The deep rock matrix pore water equivalent concentrations from MW-14D are much lower, but still exceed the aqueous concentrations from adjacent monitoring ports. The cDCE pore water equivalent concentrations at MW-14S show a similar relationship (Figure 6-2) however the deep data (MW-14D) indicate smaller relative proportion of cDCE in the rock matrix at depth. The relatively high concentration of CVOC in the pore water equivalent, and the saturation of CVOC throughout the matrix block, suggest that the aqueous mass in this location has or is approaching maturity. Downgradient transport of CVOC is facilitated by dissolved aqueous mass moving through the fracture network. Diffusion into the rock matrix occurs continuously wherever the concentration gradients of dissolved CVOC are sufficient to drive the process. Advective transport of dissolved CVOC mass through the fracture network is the main process behind the downgradient advance of the leading edge of the aqueous mass; however, there are other processes at work which act to slow or retard the advance of the leading edge of aqueous mass (as discussed in Section 6.2). Toward the distal end of the aqueous mass (MW-20), the lack of sufficiently high concentration gradients and time for diffusion to occur is indicated by relatively high aqueous phase concentrations compared to the rock matrix pore water equivalent concentration (Figure 6-1 and Figure 6-2).



Twenty-one representative groundwater samples from the Site contained sulfate-reducing bacteria, methanogens, and microbes capable of dechlorinating TCE to cDCE, four of which showed that VC and ethene were produced from TCE and cDCE in microcosms, indicating that the unique bacterium DHE was active in those four samples. The lack of DHE in some samples that contained ethene may be the result of DHE- bacteria being tightly adsorbed to the matrix, and therefore not being collected in groundwater samples.

6.3.2. Pesticides, PCBs and PCB-like Dioxins and Furans

The highest concentrations of these hydrophobic compounds (primarily PCBs and DDX (DDE or DDT) compounds) are found near the center of the former CDE facility, and nearly all of the exceedances are limited to shallow bedrock (Figure 6-3). Mobility of these compounds is limited by their low water solubility and their affinity to sorb onto soil and bedrock particles (ATSDR, 1994, 2000) due to high K_{oc} values (approximately two to three orders of magnitude higher than that of TCE), which is consistent with their general lack of down-gradient migration from the bedrock beneath the overburden source area compared to CVOCs. The more highly chlorinated Aroclors sorb more strongly than the less chlorinated Aroclors, reflecting their differences in water solubilities and octanol-water partition coefficients.

The major fate process for DDX compounds in water is adsorption to sediment or other organic matter and the primary loss route is the transportation of the particulates to which the compound is bound (ATSDR, 1994). These compounds undergo extensive adsorption to soil particles, especially those with high TOC levels. Under aerobic conditions DDT slowly converts to DDE; this conversion is much more rapid under anaerobic conditions. However, the estimated DDT half-life ranges from 2 to more than 15 years (ATSDR, 1994; Stewart and Chisolm, 1971). Additionally, these classes of compounds are nonvolatile, chemically inert and do not undergo oxidation, reduction, addition, elimination or electrophilic substitution reactions except under extreme conditions (Sittig, 1981). Due to the presence of DNAPL, some degree of cosolvent-enhanced solubility and/or mobility of pesticides, PCBs, and dioxins/furans is possible. PCBs are often encountered at former solvent and waste oil recycling facilities where they have been co-disposed with a variety of other organic liquids such as chlorinated solvents (Keuper et al., 2003). While PCB Aroclors were detected in rock matrix samples (MW-14S and MW-14D), their extremely low solubility in water likely precludes presence in the matrix pores. These detections are more likely representative of sorbed PCB mass in microfractures not detected by conventional borehole logging and flow metering.

Dioxins and furans consist of over 200 different compounds which are generally formed as an unintentional by-product of many industrial processes involving chlorine such as waste incineration, chemical (PCB) and pesticide manufacturing, pulp and paper bleaching and accidental fires of dielectric fluid (Hutzinger and Fiedler, 1991; O'Keefe and Smith, 1989; Williams et al., 1985). Dioxin is formed by burning chlorine-based chemical compounds with hydrocarbons. When PCBs are burned at very high temperatures, as in hazardous waste incinerators designed for this purpose, the PCBs may



be completely broken down, but as the gases leave the smoke stack they cool and recombine to form new PCBs, furans and dioxins. The major source of dioxin in the environment comes from waste-burning incinerators of various sorts and also from backyard burn-barrels. PCBs and chlorinated organic degreasing solvents were used in the manufacturing process at the former CDE facility, and it has been alleged that during CDE's period of operation, the company disposed of PCB-contaminated materials and other hazardous substances at the facility through burial and/or burn pits, such as the known CDA.

6.3.3. Inorganics

The primary factor influencing the fate and transport of metals is their speciation and adsorption capacity, which are affected by, and change with, the geochemistry of the environment. The degree to which a metal will adsorb depends on a complex combination of competing ions, organic carbon content, cation exchange capacity, and metal speciation, which is, in turn affected by such factors as pH and redox potential. In instances where metals are present in solution with other ions, competition for sorption sites on soil particles or on organic material may enhance the mobility of weakly sorbed metals such as cadmium, which is a COC at the Site. Because inorganic COCs tend to absorb to soil, sediment, and/or rock leaching usually results in transportation only over short distances (USEPA, 1982; Welch et al., 1988). Additionally, the generally oxidizing conditions which exist at OU3 serve to keep inorganic COCs from being released to groundwater.



7. SITE CONCEPTUAL MODEL

7.1. PURPOSE

“The site conceptual model synthesizes data acquired from historical research, site characterization, and remediation system operation. The site conceptual model typically is presented as a summary or specific component of a site investigation report. The model is based on, and should be supported by, interpretive graphics, reduced and analyzed data, subsurface investigation logs, and other pertinent characterization information. The site conceptual model is not a mathematical or computer model, although these may be used to assist in developing and testing the validity of the conceptual model or evaluating the restoration potential of the site. The conceptual model, like any other theory or hypothesis, is a dynamic tool that should be tested and refined throughout the life of the project. The model should evolve in stages as information is gathered during the various phases of site remediation. The iterative process allows data collection efforts to be designed so that key model hypotheses may be tested and revised to reflect new information. The conceptual model serves as a foundation for evaluating the restoration potential of the site and, thereby, technical impracticability as well. ...[T]he clarity of the conceptual model (and supporting information) is critical to the decision making process.” (USEPA 2003 Guidance for Evaluating the Technical Impracticability of Ground-Water Restoration).

7.2. ELEMENTS OF THE SITE CONCEPTUAL MODEL

The SCM is presented below in a summary framework with 15 basic elements. These elements are arranged in a logical sequence, with each element generally building on concepts and information presented in some or all of the earlier elements. The organization of the SCM in this manner will facilitate review and potential revisions of elements in the future, as new information becomes available.

7.2.1. “The DFN Approach was required to characterize contaminant distribution and behavior in the Passaic Formation (Figure 1-4)”

The characterization of contaminant distribution and behavior in fractured sedimentary rock (Passaic Formation) required an advanced approach for the field investigation, with an emphasis on refined data acquisition from both the matrix and the aqueous phases. This approach is required because diffusion driven mass transfer in fractured rock typically results in a majority of the mass diffused into the low permeability rock matrix, while a proportionately smaller amount of mass resides in the highly permeable and transmissive fractures.



7.2.2. “The rock matrix porosity is relatively large and the bulk fracture porosity is relatively small (Figure 7-1)”

Forty-one measurements of porosity on rock core samples from four borings and geophysical logging of the holes indicate that the matrix porosity ranges from 6% to 17% with an average of 10% (Appendix E). The fracture porosity derived from the aperture calculations is 2.1×10^{-5} , or two one-thousandths of one percent (Table 4-1). These data show that the matrix porosity is more than three orders of magnitude larger than the porosity provided by the fracture network. The relatively large porosity differential is part of what drives the diffusion of dissolved contaminants.

7.2.3. “There is evidence of complete reductive dechlorination in portions of OU3”

Ethene and ethane are the final end-products of the complete reductive dechlorination of CVOCs. Their presence in groundwater in OU3 is indicative of a complete dechlorination pathway. Methane, detected in 85 of the 97 (87 percent) groundwater samples collected (geometric mean of 8.9 µg/L) during the two groundwater sampling events, is indicative of conditions favorable for reductive dechlorination. However, the data do not indicate that biological reductive dechlorination is a primary natural attenuation mechanism for the site.

7.2.4. “The fracture network is a systematic arrangement of bedding parallel to sub-parallel fractures with steeply dipping joint sets”

Published literature characterizing the local and regional bedrock and remedial investigation derived rock cores and borehole imaging (e.g. borehole acoustic televiewer) indicates the presence of pervasive fractures in the bedrock. These fractures have two common orientations: parallel to sub-parallel to bedding planes (strikes N 65 E dipping ~10 NW) or steeply dipping joint sets, at a high angle to bedding and generally normal (perpendicular) to one another. These intersecting bedding plane fractures and joints form a systematic fracture network.

7.2.5. “The fracture networks have strong hydraulic connectivity both horizontally and vertically”

The presence of fracture networks showing a high fracture density with strong hydraulic connectivity plays an important part in the understanding of fate and transport of aqueous mass. Strong fracture interconnectivity is supported by water level measurements that show very little change in potentiometric head with depth and the distribution of aqueous mass. There are, however, localized zones where vertical gradients are more pronounced show that fracture connectivity may be limited in these areas, as seen in the deepest monitored intervals in MW-19 and MW-23.

7.2.6. “The bulk hydraulic conductivity (K_b) is moderate”

The bulk hydraulic conductivity (K_b) of the Passaic Formation is moderate, ranging from 2.2 to 5.5 feet per day (ft/day). These values are based on borehole transmissivity tests and the integrated pumping test (intermediate depth). Based on published literature, the rock matrix hydraulic conductivity (K_m) of an unfractured shale ranges from 10^{-2} to 10^{-6} gpd/ft² (Freeze and Cherry, 1979). Therefore, the K_b is two to six orders of magnitude greater than the K_m because the K_b incorporates the hydraulic influence of the highly conductive and interconnected fractures. Additional data collected during the integrated pumping test indicates that the Passaic Formation has a horizontal anisotropy of 3:1 to 4:1 along strike. The water bearing zones also have a vertical anisotropy that limits vertical groundwater movement.

7.2.7. “The effective fracture apertures that dominate groundwater movement and contaminant transport are small to moderate (Figure 7-1)”

The effective apertures were calculated from the hydraulic borehole testing data using the Cubic Law, and have a geometric mean of 83 microns (Table 4-1). In addition, fracture frequency has been calculated to be 0.9/lf. These numerous effective hydraulic apertures, while very small (slightly smaller than a human hair) conduct the majority of groundwater movement and aqueous mass transport.

7.2.8. “The groundwater in the highly fractured zone at the top of bedrock is hydraulically connected with deeper groundwater in the Passaic Formation”

Based on the vertical and horizontal hydraulic communication established in element 7.2.5, the entire saturated thickness of fractured rock is a hydrologic continuum. The shallow water bearing zone is unconfined and extends from the unconsolidated deposits into bedrock to a depth of approximately 120 feet bgs. There is some evidence that the lack of vertical fractures in some locations create anisotropy that influence groundwater movement and create a confining effect with depth (Michalski and Britton, 1997).

7.2.9. “Historic pumping at the Spring Lake, South Plainfield, Park Avenue, and Tingley Lane wellfields influenced groundwater gradients and aqueous mass transport (Appendix P, Figure 6-2)”

Groundwater flow near the former CDE facility has been under the hydraulic influence of several supply wellfields for several decades, and continues to be influenced by the withdrawals at the Park Avenue wellfield. These withdrawals are dominant influences on the flow system near the former CDE facility, and because pumping at each wellfield was variable, the entire hydraulic regime was in a constant state of flux.

7.2.10. “The chlorinated solvent contamination was initially caused by DNAPL penetration below the water table, but the majority of the DNAPL has since been converted to dissolved and sorbed mass now residing in the rock matrix (Figure 1-3)”

DNAPL dissolution enhanced by groundwater advection and diffusion-driven mass transfer from the groundwater into the rock matrix has reduced the amount of DNAPL in the bedrock beneath the overburden source area. Reactive liner data showed that DNAPL was only present in the bedrock beneath the overburden source area (MW-14S); this was confirmed during OU2 soil remedial activities when product was observed at the bedrock surface during excavation efforts. The residual DNAPL in soils was removed as part of OU2 activities, and a relatively small fraction of residual DNAPL likely remains in fractured rock. Rock matrix results show that a large amount of mass has diffused into the rock matrix. These data show that the aqueous mass down gradient of the facility is the result of advective transport of dissolved mass and potential back diffusion out of the rock matrix, and is likely not the result of active DNAPL migration.

7.2.11. “Large CVOC mass as dissolved and sorbed phases occurs beneath and downgradient of the DNAPL release(s) (Figures 6-1 and 6-2)”

The analyses of over 100 rock matrix samples collected near the DNAPL release location at the former CDE facility show dissolved and sorbed CVOC mass (TCE and its degradation products) have diffused into the rock matrix blocks. In addition, several hundred rock matrix samples were collected downgradient of the former CDE facility show dissolved and sorbed CVOC mass (TCE and its degradation products) have diffused into the rock matrix blocks. The samples were collected from large fracture (>1mm) faces and from the matrix blocks between fractures.

7.2.12. “The behavior of all water soluble chemicals is strongly influenced by diffusion into and out of the porous rock matrix (Figure 7-2)”

The aqueous CVOC mass present in the matrix indicates that molecular diffusion is occurring between the aqueous mass in fractures and the rock matrix.

7.2.13. “Residual DNAPL and aqueous mass that resides in the bedrock beneath the overburden source area does not influence the leading edge of the aqueous mass”

DNAPL released at the former CDE facility dissolved into groundwater and migrated as aqueous mass through the saturated zone (OU3). Once the distribution of aqueous mass had matured and the dissolved mass in fractures and matrix pore water approached equilibrium concentrations, the leading edge of the aqueous mass would become less sensitive to source conditions. The leading edge of the aqueous mass is not appreciably influenced by the presence of very small quantities of DNAPL in the bedrock beneath the

overburden source area because the amount of mass in the DNAPL would be small relative to the amount of mass in the matrix. In addition, advective mass transport within the delineated aqueous mass occurs over relatively short distances, because concentration gradients will continually attenuate mass by way of diffusion into the matrix.

7.2.14. “Aqueous mass can be characterized and monitored”

The following major lines of evidence indicate that the aqueous mass behavior is consistent with the site conceptual model, and is monitorable:

- i. Several bedrock monitoring wells located down gradient from the overburden source area have detectable levels of CVOCs distributed vertically and laterally indicating mass transport through a fracture network;
- ii. At three locations, matrix diffusion analysis of bedrock cores shows CVOCs in the rock matrix near the overburden source area and at locations down gradient of the overburden source area distributed vertically and laterally, indicating mass transport through a fracture network;
- iii. Historic pumping at several wellfields has influenced local hydrogeology and historic aqueous mass distribution. The flow field caused by variable pumping of several wellfields created a dynamic hydrogeologic setting in which the aqueous mass was constantly shifting in response to changing pumping conditions;
- iv. Microbiological analyses indicate that degradation of CVOCs is occurring;

7.2.15. “Matrix diffusion causes the leading edge of aqueous mass to be strongly attenuated relative to the mean groundwater velocity in the fracture network”

Matrix diffusion causes the leading edge of aqueous mass to be strongly attenuated relative to the mean groundwater velocity in the fracture network based on the combined effects of diffusion-driven mass transfer from the fractures into the rock matrix, contaminant sorption and degradation, and hydrodynamic dispersion. The stabilization of the leading edge of aqueous CVOC mass is supported by field observations at several long term study areas. This conclusion is supported at OU3 by stabilized aqueous concentrations of TCE at the distal end of the plume (MW-19 and MW-23).

7.3. SITE CONCEPTUAL MODEL SUMMARY

Groundwater flow in the Passaic Formation occurs primarily through the fracture network. The network is composed of bedding parallel to sub-parallel fractures with steeply dipping joint sets and is highly conductive and interconnected, allowing for the horizontal and vertical movement of groundwater. The average fracture aperture size is 83 microns, or slightly smaller than the thickness of human hair. The extremely small size of the apertures, and an average fracture frequency of 0.9 fractures per every linear

foot, gives the fracture network a relatively low porosity ($2.1 \times 10^{-5} \text{ ft}^3/\text{ft}^3$) as compared to the porosity of the matrix rock ($0.1 \text{ ft}^3/\text{ft}^3$). However, the fracture frequency, volume, and interconnectedness give the network a moderate bulk hydraulic conductivity (2.2 to 5.5 ft/day) and allows for both vertical and horizontal groundwater flow.

The aquifer is divided into three hydrogeologically connected units (for discussion purposes): the shallow, intermediate, and deep water bearing zones. The shallow water bearing zone is unconfined and extends from ground surface to a depth of approximately 120 feet bgs (unconsolidated materials and bedrock). The current phreatic surface in shallow bedrock (water levels recorded in the shallow bedrock aquifer) is above the top of bedrock, and within the unconsolidated deposits, and has risen approximately five feet since the initial groundwater investigation was conducted by Foster Wheeler in 2000. There is some evidence that the lack of vertical fractures in some locations create anisotropy that influence groundwater movement and create a confining effect with depth (Michalski and Britton, 1997) The fracture network exerts an increasing control over groundwater movement below about 250 feet bgs, due to a decrease in the frequency of fractures.

Water level measurements taken during the RI indicate that the water table measured in the shallow water bearing zone is generally controlled by topography and elevation. Groundwater in the shallow water bearing zone may discharge to Bound Brook, Cedar Brook, and Spring Lake and moves north and east from the former CDE facility toward Bound Brook and northwest toward the low-lying area at the confluence of Bound Brook and Cedar Brook. Groundwater movement in both the intermediate and deep water bearing zones is primarily to the northwest at the former CDE facility and arcs to the north and northeast with increased proximity to the Park Avenue wellfield.

The highly conductive fracture network allows for the vertical and horizontal advection of groundwater and aqueous mass. Because the fracture network is so pervasive, it provides a relatively large surface area for the VOCs to sorb onto and then diffuse into the rock matrix. The pore volume of the rock matrix is nearly two orders of magnitude larger than the fracture network, allowing it to hold the majority of the contaminant mass. Once the aqueous mass has diffused into the rock, it is left nearly immobile because of the low hydraulic conductivity of the rock matrix. In addition to sorption and diffusion, microbiological analyses indicate that the degradation of CVOCs is occurring, which contributes to the retardation of the advance rate of the leading edge of aqueous mass.

CDE operated at 333 Hamilton Boulevard, South Plainfield, New Jersey (the former CDE facility) from 1936 to 1962, manufacturing electronic parts and components, including capacitors. The company released material contaminated with PCBs and TCE directly onto the soils during its operations. There are several production wells and wellfields near the former CDE facility that have the potential to influence groundwater flow conditions. Five wellfields have been identified as potentially influential to the OU3 investigation and all five wellfields are owned and/or operated by the Middlesex Water Company.



The aqueous mass migration has also been influenced by ongoing withdrawals at the Park Avenue wellfield, by intermittent pumping at Spring Lake which took place between 1964 and 2003, intermittent pumping at the Tingley Lane wellfield which took place between 1954 and 2010, and by historic pumping at the South Plainfield Wellfield which reportedly took place between approximately 1952 and 1969. Although the general direction of groundwater movement beneath the former CDE facility is to the northwest, the pumping centers to the north and east of the former CDE facility redirected the groundwater movement and mass transport. Today, groundwater extraction at the Park Avenue wellfield is the dominant hydraulic influence on the regional and local hydrogeology.

A distinct, highly transmissive fracture zone was intersected by several boreholes during the investigation, which facilitated the down gradient transport of aqueous mass along a preferential (high transmissivity) pathway. While pumping at active wellfields was occurring, the downward vertical component of the groundwater gradient was higher, thereby increasing the downward movement of the contaminant mass. This fracture zone is capable of conducting the aqueous mass down gradient, toward the nearest active pumping wells to the north, and on toward the Park Avenue and Sprague wellfields.

The influence of the various pumping centers in the area created a highly variable flow field within the fractured rock aquifer. While the direction of groundwater movement may have shifted locally during pumping at the South Plainfield and Spring Lake wellfields, the general regional gradient was toward the north influenced by the most productive wellfield in the area (Park Avenue). In addition, periods of heavy groundwater usage would have lowered regional groundwater levels, reversing the head relationships between groundwater and surface water.

MWC Well No. 25 has been identified as a potential receptor of TCE from the former CDE facility. Water quality samples collected at the MWC wellfield treatment plant (that combines the groundwater from all of the MWC wells at the Park Avenue wellfield) contains roughly 3 ug/L of PCE and 1.5 ug/L of TCE as shown on Figure 5-42. However, given the large capture zone created by the high rate of pumping at the Park Avenue wellfield (Figure 4-7), the occurrence of multiple CVOC source areas in the area, the fact that there is no current water quality data from each water supply well at the Park Avenue wellfield, and insufficient monitoring well data near the Park Avenue wellfield, there is insufficient information to confirm that the leading edge of the former CDE facility CVOC plume has reached the Park Avenue wellfield.

These changes in conditions are likely to cause advective redistribution of the aqueous mass. In areas where the concentration of the aqueous mass in fractures is greater than that in the adjacent matrix pore water, diffusion into the rock is occurring and attenuating the leading edge of the aqueous mass. Furthermore, back diffusion out of the matrix (pore water) is occurring in areas where the concentration gradient between the rock matrix and the aqueous phase in fractures supports the process, which may contribute to ongoing groundwater contamination over a very long period of time (usually in multi-decade-to-multi-century timeframes). As a result, the contaminated aquifer cannot be



restored to its highest beneficial use (potable water supply) in a reasonable timeframe and at a reasonable cost.

8. CONCLUSIONS

The major conclusions of this RI Report are outlined below:

- 1) Information generated during the OU2 RI and ongoing RA, and groundwater samples collected from monitoring wells installed at the center of the former CDE facility (MW-11 and MW-14S) during the OU3 RI, show that contaminant releases to the unconsolidated soil overlying bedrock was the source of CVOCs, PCBs, dioxins/furans, and pesticides detected in the underlying groundwater at and down gradient of the former CDE facility.
- 2) The shallow water bearing zone is highly fractured and unconfined with groundwater potentially discharging to Bound Brook and Cedar Creek. The bedrock in the intermediate and deep water bearing zones are not as highly fractured as the shallow water bearing zone (vertical fractures) creating anisotropy that influences groundwater movement and creates a confining effect with depth (Michalski and Britton, 1997). Groundwater in the intermediate and deep water bearing zones is migrating to the north and northeast. Groundwater movement in the intermediate and deep water bearing zones is being influenced by large pumping centers to the north and northeast.
- 3) Historical records show that Spring Lake operated water supply wells from 1964 to 2003. According to available records, these wells extracted approximately 1 mgd. Based on our understanding of the groundwater flow in the shallow water bearing zone and potentiometric surface maps presented by others (FWENC, 2002), pumping at the Spring Lake wells may have intermittently lowered the potentiometric surface of the shallow water bearing zone beneath Bound Brook and Cedar Creek allowing surface water to potentially discharge to groundwater.
- 4) Groundwater samples collected from monitoring wells in the shallow water bearing zone (the shallowest part between ground surface to 120 feet bgs) down gradient of the former CDE facility confirm the presence of CVOCs at and down gradient of the former CDE facility. Cedar Brook and Bound Brook are potential receptors of aqueous mass from the former CDE facility.
- 5) Groundwater samples collected from monitoring wells in the intermediate (between 120 feet and 160 feet bgs) and deep (between 200 and 240 feet bgs) water bearing zones down gradient of the former CDE facility show the presence of CVOCs. Groundwater movement and aqueous CVOCs have migrated to the north, northeast, and northwest under the influence of the current and historical regional groundwater pumping.
- 6) PCBs and dioxins/furans were not detected above background concentrations in groundwater samples beyond the boundary of the former CDE facility.



- 7) Matrix diffusion analyses completed on bedrock cores collected from MW-14S, MW-14D, MW-16, and MW-20 show that CVOCs have diffused into the rock matrix at and down gradient of the former CDE facility.
- 8) Matrix diffusion analyses on the MW-14S and MW-14D bedrock cores show that CVOCs have diffused into the rock matrix, rendering them relatively immobile when compared to the dissolved aqueous mass found in the fracture network. Matrix diffusion analyses on the MW-16 bedrock core, down gradient from the overburden source area, show that CVOCs have diffused into the rock matrix. Matrix diffusion analyses on the MW-20 bedrock core, down gradient from the overburden source area under historical pumping conditions, show that CVOCs have diffused into the rock matrix. The mass in the rock matrix at these locations will act as a long term storage reservoir of CVOCs in the bedrock.
- 9) The fractured sedimentary rock matrix has a high capacity to attenuate the dissolved aqueous mass, and the factors influencing the distribution of aqueous mass will reach equilibrium with the attenuation capacity of the rock matrix. When this occurs, the leading edge of the aqueous mass will stabilize, and will no longer advance down-gradient.
- 10) CVOC mass which has diffused into the rock matrix becomes a source of aqueous mass to groundwater, and can be the source of CVOC contaminant mass for decades to centuries. As a result, aqueous CVOC fractured rock aquifers cannot be restored to their highest beneficial use (potable water supply) in a reasonable timeframe or at a reasonable cost.
- 11) The Park Avenue wellfield is a potential receptor of aqueous mass from the former CDE facility.

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TABLES

TABLE 1-1
CHRONOLOGY OF EVENTS AND SITE INVESTIGATIONS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

<u>DATE</u>	<u>EVENT</u>
1912 – mid/late 1920s	Spicer Manufacturing Company operated a manufacturing plant on the Site; most of the major structures were erected by 1918.
1936 – 1962	CDE facility in operation, manufacturing of electronic components including capacitors led to disposal of PCB-contaminated materials and other hazardous substances directly on the facility soils.
1962 – 2007	CDE vacated the facility and the facility operated as a rental property housing a variety of commercial and light industrial tenants.
1985-1986	NJDEP began investigation of the environmental conditions at the former CDE facility. A preliminary assessment and site investigation were performed which included the collection of three surface soil, two surface water, and two sediment samples at the facility property. The findings were presented in the Preliminary Assessment Report (August 1986), the Site Investigation Report (September 1986), and the Data Validation Review Memorandum (April 1987).
1994-1996	<p>In June 1994, at the request of NJDEP, EPA collected and analyzed soil, surface water, and sediments at the facility. The sampling showed the presence of elevated concentrations of PCBs, VOCs, and inorganic chemicals.</p> <p>In February, June, and July 1996, EPA collected and analyzed additional soil samples at the facility. The results confirmed the presence of elevated levels of PCBs and also identified the presence of elevated concentrations of lead.</p>
1997	The USEPA conducted a preliminary investigation of Bound Brook and collected surface soil and interior dust samples from nearby residential and commercial properties. These investigations lead to fish consumption advisories for Bound Brook and its tributaries.
March 1997	USEPA ordered the owner of the facility property to perform a removal action associated with contaminated soil and surface water runoff from the facility. The removal action included paving driveways and parking areas in the industrial park, installing a security fence, and implementing drainage controls.
1998	The Site was added to the National Priorities List as a result of the 1997 sampling activities. The USEPA initiated a removal action to address PCBs in interior dust at houses to the west and southwest of the facility.
1998- 2000	The USEPA ordered CDE and Dana Corporation to implement removal actions to address PCBs in soils at six residential properties in 1998 and seven additional properties in 1999 that were located to the west and southwest of the facility. The first removal action was completed in 1999 and the second in 2000.

TABLE 1-1
CHRONOLOGY OF EVENTS AND SITE INVESTIGATIONS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

2000	Foster Wheeler, Inc. conducted an RI that included the collection of soil, sediment, and building surface samples, as well as the installation and sampling of 12 shallow bedrock monitoring wells. The USEPA then divided the Site into four OUs: OU1 addresses residential, commercial, and municipal properties in the vicinity of the former CDE facility, OU2 addresses former CDE facility soils and buildings, OU3 addresses groundwater, and OU4 addresses the Bound Brook.
2001	USEPA issued the RI and FS for OU1.
September 30, 2003	USEPA signed a Record of Decision (ROD) to address OU1. The selected remedy included the removal of approximately 2,100 cubic yards of contaminated soils from approximately 16 residential, commercial, and municipal properties in the vicinity of the former CDE facility, as well as indoor dust remediation where PCB contaminated dust was identified. The remedy included additional sampling within a defined study area to identify the specific properties in need of remediation.
April 2004	The FS for OU2 was issued.
September 2004	The ROD for OU2 was issued. The remedy specified in the ROD included excavation of an estimated 107,000 cubic yards of contaminated soil, on-site treatment of excavated soils, transportation of contaminated soil and debris not suitable for LTTD treatment, excavation of an estimated 7,500 cubic yards of contaminated soil and debris from the CDA and transporting for off-site disposal, installation of a multilayer cap or hardscape, installation of engineering controls, property restoration, and implementation of institutional controls.
November 2006	USEPA began implementing the OU2 ROD with the relocation of facility tenants at the industrial park and began demolition of the 18 buildings.
December 2007	Scope of work for OU3 RI/FS was transmitted to Malcolm Pirnie, Inc.
May 2008	Building demolition completed.
January 2008	Eight deep bedrock wells were installed by USEPA to assess the hydraulic properties of the fractured bedrock and water quality of the bedrock groundwater up- and down-gradient of the former CDE facility. Groundwater samples were collected for VOCs from multiple depths and also were taken from 12 existing shallow bedrock monitoring wells located at the former CDE facility. Initial testing indicated the presence of chlorinated VOCs in 11 of the 12 shallow bedrock wells.
October 2008	A Final Remedial Investigation/Feasibility Study Work Plan for OU3 and Final Site-Wide Site Safety and Health Plan for All Operable Units were submitted to the USEPA.
December 2008	A Final Field Sampling Plan was submitted to the USEPA.
January - June 2009	Malcolm Pirnie performed rock core sampling and analyses to

TABLE 1-1
CHRONOLOGY OF EVENTS AND SITE INVESTIGATIONS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

	assess the presence of VOCs and PCBs in the rock matrix and completed borehole drilling and installation of temporary FLUTE liners for future monitoring wells.
May - June 2009	Malcolm Pirnie carried out FLUTE liner drop tests to assess hydraulic properties of fractured bedrock zones and completed borehole geophysics.
September - October 2009	Malcolm Pirnie installed FLUTE multi-port monitoring wells to record hydraulic heads and to obtain groundwater samples from fractured bedrock zones.
October 2009	Malcolm Pirnie performed the first sampling event, recording water levels and collected groundwater samples from all monitoring wells.
March 2010	Malcolm Pirnie performed the second sampling event, recording water levels and collected groundwater samples from all monitoring wells, plus select wells for PCB congeners, Dioxins, and Furans.
June 2010	Malcolm Pirnie completed an integrated pumping test to further characterize the source term in bedrock, and to characterize anisotropic groundwater movement in the Passaic Formation at the Site. This included an 8 hour step rate drawdown test, two 48 hour constant rate pumping tests, and the collection of water quality samples from pumping effluent to characterize the mass discharge over time (VOCs, PCBs, physical parameters)
July 2010	Malcolm Pirnie performed the third sampling event, recording water levels from all monitoring wells and collected groundwater samples from select wells for PCB congeners, dioxins, and furans.
September – November 2010	Malcolm Pirnie completed borehole drilling, carried out FLUTE liner drop tests to assess hydraulic properties of fractured bedrock zones and completed borehole geophysics for additional monitoring well MW-23.
December 2010	Malcolm Pirnie completed installation of temporary FLUTE liner in MW-23, conducted first sampling event on MW-23.
March 2011	Malcolm Pirnie conducted second sampling event on MW-23.

TABLE 3-1
FLUTE™ MULTI-PORT MONITORING WELL INTERVALS AND TRANSDUCER LOCATIONS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Well ID	FLUTe™ Well Port #	Sample Interval (ft bgs)		Construction note: Port/depth selection rationale	Transducer
		Top	Bottom		
Deep Bedrock Multi-Port Monitoring Wells					
ERT-1*	1	24	29	High borehole transmissivity, shallowest interval	No
	2	33	43	High borehole transmissivity, fracture at 40' bgs	No
	3	46	56	High borehole transmissivity, fractures at 49' and 51' bgs	No
	4	59	64	High borehole transmissivity, fracture at 61' bgs	No
	5	67	77	Fractures at 71' and 75' bgs	No
	6	100	105	Moderate borehole transmissivity, fracture at 103' bgs	No
	7	112	117	Moderate borehole transmissivity, fracture at 114' bgs	No
	8	135	140	Deepest interval, fracture at 137' bgs	No
ERT-2*	1	25	35	Shallowest interval, fracture at 33' bgs	Yes
	2	40	50	Moderate borehole transmissivity, fracture at 48' bgs	Yes
	3	54	59	Moderate borehole transmissivity	Yes
	4	70	75	High borehole transmissivity	Yes
	5	97	107	High borehole transmissivity, fracture at 105' bgs	Yes
	6	113	123	Moderate borehole transmissivity, fractures at 114' and 119' bgs	Yes
	7	127	137	High borehole transmissivity, fracture at 131' bgs	Yes
ERT-3*	1	27	37	High borehole transmissivity, fracture at 33' bgs	Yes
	2	55	65	Fractures at 56' and 65' bgs	Yes
	3	90	105	High borehole transmissivity, fractures at 93', 95', 100, and 105' bgs	Yes
	4	110	120	Moderate borehole transmissivity	Yes
	5	124	134	Moderate borehole transmissivity	Yes
	6	138	148	Deepest interval, high resistivity	Yes
ERT-4*	1	27	37	Shallowest interval, fracture at 35' bgs	Yes
	2	46	56	Fractures at 48' and 55' bgs	Yes
	3	61	66	Fracture at 65' bgs	Yes
	4	83	88	Moderate borehole transmissivity, fracture at 86' bgs	Yes
	5	91	106	High borehole transmissivity, fractures at 94', 97', and 100' bgs	Yes
	6	111	116	Moderate borehole transmissivity, high resistivity	Yes
	7	128	138	Fracture at 134' bgs	Yes
ERT-5*	1	24	34	Shallowest interval, fracture at 32' bgs	No
	2	37	47	Fracture at 45' bgs, high resistivity	No
	3	50	60	Fractures at 54' and 58' bgs	No
	4	77	87	Fracture at 85' bgs	No
	5	93	98	Fracture at 97' bgs	No
	6	120	130	Fracture at 128' bgs, high resistivity	No
ERT-6*	1	26	36	Fractures at 32' and 35' bgs, high resistivity	No
	2	75	85	High borehole transmissivity, fracture at 76' bgs	No
	3	93	103	Fracture at 98' bgs	No
	4	107	117	Moderate borehole transmissivity, fraqcture at 115' bgs	No
	5	128	138	Deepest interval, moderate resistivity	No
ERT-7†	1	25	35	Shallowest interval, fractures at 26' and 33' bgs	Yes
	2	45	55	Fracture at 52' bgs	Yes
	3	65	75	High borehole transmissivity, fractures at 68' and 69' bgs	Yes
	4	100	110	High borehole transmissivity	Yes
	5	130	140	Deepest interval, fracture at 135' bgs	No

TABLE 3-1
FLUTE™ MULTI-PORT MONITORING WELL INTERVALS AND TRANSDUCER LOCATIONS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Well ID	FLUTE™ Well Port #	Sample Interval (ft bgs)		Construction note: Port/depth selection rationale	Transducer
		Top	Bottom		
ERT-8*	1	17	27	Shallowest interval, caliper log	No
	2	31	41	High borehole transmissivity	No
	3	44	54	High borehole transmissivity, caliper log	No
	4	57	62	High borehole transmissivity, caliper log	No
	5	87	97	Moderate borehole transmissivity, caliper log, inflection in resistivity	No
	6	107	112	Caliper log	No
	7	135	145	Deepest interval, caliper log	No
MW-13	1	18	28	Shallowest interval, moderate borehole transmissivity, fractures at 20' bgs	Yes
	2	35	45	Moderate borehole transmissivity, fracture at 38' bgs	Yes
	3	63	73	Moderate borehole transmissivity, inflection in resistivity	Yes
	4	95	105	Moderate borehole transmissivity, fractures at 98', 99' 100', 101' and 102' bgs	Yes
	5	115	125	Moderate borehole transmissivity, fracture at 123' bgs	Yes
	6	150	160	Moderate borehole transmissivity	Yes
	7	230	240	Deepest interval	No
MW-14S	1	30	35	Shallowest interval	Yes
	2	41	46	Inflection in resistivity	Yes
	3	55	60	Rock matrix results	Yes
	4	65	70	Deepest interval, moderate borehole transmissivity	Yes
MW-14D	1	80	85	Rock matrix results	Yes
	2	123	133	Rock matrix results	Yes
	3	199	209	Rock matrix results	Yes
MW-15S	1	30	40	Shallowest interval, moderate borehole transmissivity	Yes
	2	70	80	High borehole transmissivity, fracture at 75' bgs	Yes
MW-15D	1	125	135	Moderate borehole transmissivity, inflection in resistivity	Yes
	2	185	195	Fracture at 185' and 187' bgs	Yes
MW-16	1	20	30	Shallowest interval, fracture at 21' and 24' bgs	Yes
	2	40	50	Fractures at 44' and 49' bgs	Yes
	3	85	95	Fracture at 94' bgs	Yes
	4	108	118	Inflection in resistivity, temperature	Yes
	5	135	145	Rock matrix results	Yes
	6	170	180	Rock matrix results	No
	7	195	205	Caliper log, inflection in resistivity	Yes
MW-17	1	170	180	Moderate borehole transmissivity, fracture at 173' bgs	Yes
	2	205	215	High borehole transmissivity	Yes
	3	235	245	Deepest interval, inflection in resistivity	Yes
MW-18	1	160	170	Fracture at 163' bgs	No
	2	210	220	Deepest interval	No
MW-19	1	65	75	Shallowest interval, fracture at 65' bgs	No
	2	132	142	Inflection in resistivity, fracture at 141' bgs	No
	3	200	210	Fracture at 204' bgs	No
	4	257	267	Moderate borehole transmissivity	No
	5	367	377	Caliper log	No
	6	480	490	Inflection in resistivity, fractures at 481' and 488' bgs	No
	7	545	555	Deepest interval, caliper log, inflection in temperature	No

TABLE 3-1
FLUTe™ MULTI-PORT MONITORING WELL INTERVALS AND TRANSDUCER LOCATIONS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Well ID	FLUTe™ Well Port #	Sample Interval (ft bgs)		Construction note: Port/depth selection rationale	Transducer
		Top	Bottom		
MW-20	1	25	35	Shallowest interval, moderate borehole transmissivity	No
	2	85	95	Moderate borehole transmissivity, fracture at 93' bgs	Yes
	3	125	135	Moderate borehole transmissivity	Yes
	4	175	185	Fracture at 177' bgs	Yes
	5	205	215	Moderate borehole transmissivity	Yes
	6	250	260	Fracture at 257' and 258' bgs	Yes
	7	297	307	High borehole transmissivity, fractures at 300' and 301' bgs	Yes
	8	355	365	Fracture at 363' bgs	Yes
MW-21	1	50	60	Moderate borehole transmissivity	No
	2	87	97	High borehole transmissivity	No
	3	150	160	Moderate borehole transmissivity, fracture at 155' bgs	No
	4	205	215	Moderate borehole transmissivity, fracture at 214' bgs	No
	5	260	270	Fracture at 266' bgs, intra-borehole flow velocity	No
	6	428	438	Moderate borehole transmissivity, inflection in resistivity	No
	7	485	495	Caliper log, fracture at 494' bgs	No
	8	505	515	Deepest interval, inflection in resistivity	No
MW-22	1	45	55	Moderate borehole transmissivity, inflection in resistivity, several fractures	No
	2	125	135	Caliper log	No
	3	210	220	Fractures at 213', 215', and 219' bgs	No
	4	305	315	Deepest interval, fracture at 310' bgs	No
MW-23	1	60	70	Fracture at 62' bgs, inflection in resistivity	No
	2	120	130	Fracture at 122' bgs, inflection in resistivity	No
	3	170	180	Fracture at 174' bgs	No
	4	226	236	Fractures at 234' and 235' bgs	No
	5	258	268	Moderate (relative) borehole transmissivity	No
	6	316	326	Fracture at 321' bgs	No
	7	350	360	Fracture at 353' bgs, inflection in resistivity	No
	8	406	416	Moderate (relative) borehole transmissivity	No
	9	444	454	Deepest interval, inflection in resistivity	No
Former Production Well (FPW)	1	31	41	Shallowest interval, fracture at 37' bgs	Yes
	2	46	51	Moderate borehole transmissivity, several fractures	Yes
	3	100	110	Moderate borehole transmissivity, fractures at 105' and 106' bgs	Yes
	4	125	135	Fractures at 127' and 130' bgs	Yes
	5	180	190	Fractures at 185', 186', and 187' bgs	Yes
	6	200	205	Fracture at 202' bgs	No
	7	235	245	Fracture at 238' bgs	Yes
	8	268	278	Fractures at 269', 270', 273', and 274' bgs	Yes
	9	300	310	Deepest interval, fractures at 303', 305', and 309' bgs	No

Notes:

* = Installed by USEPA ERT (2008)

† = Drilled by USEPA ERT; installed by LBG/MP (2009)

All others installed by LBG/MP

TABLE 3-2
SAMPLING EVENTS AND ANALYTICAL METHODS SUMMARY
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sampling Event	Medium	Sampling Dates	Method	Sample Location ID ¹	Analyses
2008 USEPA ERT RI	Groundwater	August 2008	Low Flow Method	MW-01A, MW-02A, MW-03, MW-04, MW-05, MW-06, MW-07, MW-08, MW-09, MW-10, MW-11, MW-12	TCL VOCs, SVOCs, PCB Aroclors, Pesticides, and TAL Metals plus Cyanide
			Water FLUTe Method	ERT-1, ERT-2, ERT-3, ERT-4, ERT-5, ERT-6, ERT-8	TCL VOCs, SVOCs, PCB Aroclors, Pesticides, and TAL Metals plus Cyanide
OU3 Groundwater RI	Rock Matrix	January through March 2009	Microwave Extracted Rock Matrix Diffusion Method	MW-14S&D, MW-16, MW-20	VOCs, PCB Aroclors, Moisture, Porosity, Density, TOC, Rock Oxidant Demand
	Groundwater	October 2009 (Event 1) March/April 2010 (Event 2)	Low Flow Method	MW-01A, MW-02A, MW-03, MW-04, MW-05, MW-06, MW-07, MW-08, MW-09, MW-10, MW-11, MW-12	TCL VOCs, SVOCs, PCB Aroclors, Pesticides, and TAL Metals plus Mercury and Cyanide
			Water FLUTe Method	ERT-1, ERT-2, ERT-3, ERT-4, ERT-5, ERT-6, ERT-7, ERT-8, MW-13, MW-14S, MW-14D, MW-15, MW-16S, MW-16D, MW-17, MW-18, MW-19, MW-20, MW-21	TCL VOCs, SVOCs, PCB Aroclors, Pesticides, and TAL Metals plus Mercury and Cyanide
	Groundwater	October 2009 (Event 1) March/April 2010 (Event 2)	Water FLUTe Method	ERT-1, MW-13, MW-14S&D, MW-16, MW-20, and MW-21	TOC/DOC Fe ²⁺ , NO ₃ ⁻ , CL ⁻ , SO ₄ ²⁻ , methane, ethane, ethene, alkalinity, and hardness
	Groundwater	March/April 2010 (Event 2)	Water FLUTe Method	ERT-1 (Ports: 1,2,4,6,8), MW-14S (Ports: 1,2,4), MW-14D (Ports: 1,3), MW-16 (Ports: 2,3,4,5,7), MW-20 (Ports: 1,3,5,7,8), MW-21 (Port: 4)	Microbiological - Microcosm
	Groundwater	March/April 2010 (Event 2) July 2010 (Event 3)	Low Flow Method	MW-01A, MW-03, MW-05, MW-08, MW-11, MW-12	PCB (Congeners), Dioxin, Furans
			Water FLUTe Method	ERT-1 (Port: 3), ERT-2 (Ports: 1, 5), ERT-4 (Port: 4), ERT-6 (Port: 2), ERT-7 (Port: 3), ERT-8 (Port: 5), MW-13 (Port: 7), MW-14S (Port: 4), MW-14D (Port: 3), MW-15D (Port: 1), MW-16 (Port: 7), MW-17 (Port: 2), MW-19 (Port: 2), MW-20 (Port: 2), MW-22 (Port: 1), FPW (Ports: 1, 9)	PCB (Congeners), Dioxin, Furans
	Groundwater	June 2010 (Shallow Aquifer) June 2010-July 2010 (Intermediate Aquifer)	Effluent Grab Sample Method	Test Well-1 and Test Well-2	TCL VOCs, PCB Aroclors, pH, Temperature, SC, DO, ORP, Eh, Turbidity
	Groundwater	December 2010 and March 2011	Water FLUTe Method	MW-23 (Ports: 1,2,3,4,5,6,7,8,9)	TCL VOCs, SVOCs, PCB Aroclors, Pesticides, TAL Metals plus Cyanide and Mercury

Notes:

1 Monitoring wells sampled using the FLUTe method have at least 2 ports each. See Table 3-1 for a summary of port locations/numbers.

Table 4-1
Fracture Aperture and Bulk Hydraulic Conductivity from FLUTe Drop Liner Test
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Bedrock Well Number	Borehole Length ¹ (feet)	Number of Fractures ²	Number of Fractures per 100 feet of Borehole	Aperture Data ³				Bulk Hydraulic Conductivity (m/sec)	Bulk Fracture Porosity (-)
				Minimum (microns)	Maximum (microns)	Geometric Mean (microns)	Standard Deviation		
MW-13	215	241	112	4	504	102	59	4.2E-06	3.5E-05
MW-14S	48	18	38	39	434	93	85	3.3E-06	1.1E-05
MW-14D	189	212	112	15	421	54	40	1.8E-06	1.8E-05
MW-15S	78	140	179	6	477	48	60	5.9E-06	2.6E-05
MW-15D	123	234	190	3	318	117	36	1.2E-06	6.8E-05
MW-16	194	268	138	8	122	52	23	6.5E-07	2.2E-05
MW-17	220	164	75	2	1269	35	109	2.2E-05	8.0E-06
MW-18	220	262	119	11	470	64	45	3.1E-06	2.3E-05
MW-19	474	224	47	9	401	75	50	1.7E-06	1.1E-05
MW-20	351	221	63	4	642	169	58	2.7E-06	3.2E-05
MW-21	481	311	65	6	509	69	55	2.8E-06	1.4E-05
MW-22	245	211	86	15	417	67	43	2.0E-06	1.8E-05
MW-23	420	585	139	5	277	50	33	1.4E-06	2.1E-05
FPW	262	267	102	9	456	76	55	4.1E-06	2.4E-05
ERT-1	120	75	63	11	962	84	164	3.3E-05	1.6E-05
ERT-2	127	35	28	11	680	88	141	9.0E-06	7.4E-06
ERT-3	131	63	48	37	885	135	139	2.1E-05	2.0E-05
ERT-4	67	71	106	12	628	117	117	1.4E-05	3.8E-05
ERT-5	123	83	67	6	447	57	80	4.5E-06	1.2E-05
ERT-6	76	33	43	34	694	133	148	1.4E-05	1.8E-05
ERT-7	128	123	96	11	455	62	60	3.9E-06	1.8E-05
ERT-8	112	61	54	17	565	71	135	1.4E-05	1.2E-05
Average			90	13	547	83	79	7.7E-06	2.1E-05
Min			28	2	122	35	23	6.5E-07	7.4E-06
Max			190	39	1269	169	164	3.3E-05	6.8E-05

1 - Length of the borehole tested during the drop liner test

2 - Number of fractures as interpreted by a change in transmissivity during the drop liner test

3 - Apertures estimated using the cubic law assuming one fracture represented by sequential T values in the FLUTe liner test dataset:

TABLE 4-2
SURVEY DATA
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

MONITORING WELLS

Description	Northing	Easting	Latitude	Longitude	PVC Elevation (MSL)	Casing Elevation (MSL)	Ground Elevation (MSL)
MW-01A	635224.3751	516294.933	40°34'38.333"	-74°24'46.739"	70.43	70.70	70.70
MW-02A	635148.535	516638.4382	40°34'37.580"	-74°24'42.288"	70.98	71.44	71.44
MW-03	634873.9821	516823.4984	40°34'34.865"	-74°24'39.893"	70.53	71.11	71.11
MW-04	634674.6709	516849.4657	40°34'32.895"	-74°24'39.559"	71.65	72.59	72.59
MW-05	634420.7888	517062.4834	40°34'30.384"	-74°24'36.802"	72.79	73.92	70.84
MW-06	634742.7635	516541.5589	40°34'33.571"	-74°24'43.549"	74.38	74.73	74.73
MW-07	634767.9517	516091.8802	40°34'33.825"	-74°24'49.377"	81.35	82.14	81.28
MW-08	634393.4448	516377.1679	40°34'30.121"	-74°24'45.684"	77.57	77.90	75.23
MW-09	634398.32	516870.83	40°34'30.164"	-74°24'39.286"	75.76	76.79	75.09
MW-10	634099.7477	516752.1578	40°34'27.215"	-74°24'40.828"	74.41	75.44	72.94
MW-11	634516.2643	516575.1805	40°34'31.333"	-74°24'43.116"	77.04	77.23	75.09
MW-12	634622.6725	516411.392	40°34'32.386"	-74°24'45.238"	75.63	75.90	75.90
MW-13	635179.8518	517074.645	40°34'37.885"	-74°24'36.634"	66.49	67.23	67.23
MW-14S	634528.2475	516595.5788	40°34'31.451"	-74°24'42.852"	77.05	77.91	75.08
MW-14D	634521.7008	516591.771	40°34'31.386"	-74°24'42.901"	76.79	77.92	75.29
MW-15S	634356.0605	516414.5992	40°34'29.751"	-74°24'45.200"	77.46	78.14	75.42
MW-15D	634367.6212	516420.0493	40°34'29.865"	-74°24'45.129"	77.35	78.17	75.26
MW-16	635232.8669	516283.8339	40°34'38.417"	-74°24'46.883"	69.87	70.73	70.73
MW-17	634981.5306	515908.3658	40°34'35.937"	-74°24'51.753"	80.14	81.03	81.03
MW-18	634620.1507	514526.615	40°34'32.379"	-74°25'09.665"	67.38	68.24	68.24
MW-19	638511.3321	515674.602	40°35'10.822"	-74°24'54.738"	63.78	64.53	64.53
MW-20	637131.6959	516081.8303	40°34'57.184"	-74°24'49.477"	65.42	66.22	66.22
MW-21	637069.0767	514929.261	40°34'56.576"	-74°25'04.417"	58.50	59.17	59.17
MW-22	636938.9088	517636.1305	40°34'55.263"	-74°24'29.333"	68.52	69.28	69.28
MW-23	639092.88	516922.12	40°35'16.556"	-74°24'38.559"	69.68	70.43	70.43
FPW	634996.3273	516664.5877	40°34'36.076"	-74°24'41.951"	71.64	72.43	72.43
ERT-1	634259.7926	517002.1901	40°34'28.794"	-74°24'37.586"	72.84	73.46	70.47
ERT-2	634986.3999	515901.5944	40°34'35.985"	-74°24'51.840"	80.36	80.99	80.99
ERT-3	636202.8632	516074.6005	40°34'48.005"	-74°24'49.583"	68.69	69.10	65.84
ERT-4	636126.6008	515361.9824	40°34'47.258"	-74°24'58.820"	61.77	62.43	59.21
ERT-5	634530.160	514490.150	40°34'31.490"	-74°25'10.139"	69.03	69.72	69.72
ERT-6	635220.2228	514656.7197	40°34'38.308"	-74°25'07.972"	67.52	68.04	65.49
ERT-7	634330.28	515878.03	40°34'29.501"	-74°24'52.154"	80.19	81.00	81.00
ERT-8	633661.74	515730.93	40°34'22.896"	-74°24'54.069"	82.74	83.36	83.36

TEST WELLS

TW-1	634509.34	516564.05	40°34'31.264"	-74°24'43.261"	77.1757	77.668	75.0498
TW-2	634508.28	516557.83	40°34'31.254"	-74°24'43.341"	77.2551		75.0217

STAFF GAGES

STAFF GAGE 1	634713.20	516990.87	40°34'33.275"	-74°24'37.726"	-	64.61 ¹	-
STAFF GAGE 1R	634713.80	516989.39	40°34'33.275"	-74°24'37.726"	-	63.86 ¹	-
STAFF GAGE 2	635703.74	516508.50	40°34'43.068	-74°24'43.965	-	62.30 ¹	-
STAFF GAGE 2R	635700.87	516510.94	40°34'43.040	-74°24'43.934	-	62.74 ¹	-
STAFF GAGE 3	636085.97	515288.93	40°34'46.857	-74°24'59.767	-	61.62 ¹	-
STAFF GAGE 3R	636086.30	515288.13	40°34'46.861	-74°24'59.778	-	57.60 ¹	-
STAFF GAGE 4	637257.86	516122.94	40°34'58.430	-74°24'48.943	-	59.25 ¹	-
STAFF GAGE 5	636922.72	514980.82	40°34'55.129	-74°25'03.751	-	58.14 ¹	-

PIEZOMETERS

PZ-1	634690.94	516980.39	40°34'33.055"	-74°24'37.862"	65.2189	-	60.1475
PZ-2	634252.46	517202.33	40°34'28.719"	-74°24'34.992"	67.15	-	61.1498

Horizontal Datum: NJ State Plane NAD83 feet. Vertical Datum: NAVD 88 feet mean sea level.

¹ These values are the elevations of the top of the staff gages (6.6 ft).

^R Staff gages reinstalled (5/21/2010) and resurveyed after original gages were damaged due to winter conditions.

TABLE 4-3
WATER LEVEL MEASUREMENTS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Location	Port	PVC Elevation (ft)	Casing Elevation (ft)	Ground Elevation (ft)	7/9/2010		3/19/2010		10/12/2009	
					Depth to Water (ft)	Water Level Elevation (MSL)	Depth to Water (ft)	Water Level Elevation (MSL)	Depth to Water (ft)	Water Level Elevation (MSL)
MW-1A	-	70.43	70.70	70.70	9.99	60.44	7.41	63.02	9.69	60.74
MW-2A	-	70.98	71.44	71.44	10.60	60.38	8.57	62.41	9.50	61.48
MW-3	-	70.53	71.11	71.11	10.71	59.82	8.73	61.80	10.35	60.18
MW-4	-	71.65	72.59	72.59	11.23	60.42	NR	NR	10.60	61.05
MW-5	-	72.79	73.92	70.84	12.50	60.29	NR	NR	12.00	60.79
MW-6	-	74.38	74.73	74.73	13.62	60.76	9.74	64.64	13.21	61.17
MW-7	-	81.35	82.14	81.28	20.43	60.92	17.12	64.23	20.01	61.34
MW-8	-	77.57	77.90	75.23	17.08	60.49	NR	NR	16.24	61.33
MW-9	-	75.76	76.79	75.09	15.25	60.52	NR	NR	14.61	61.16
MW-10	-	74.41	75.44	72.94	13.63	60.78	NR	NR	13.05	61.36
MW-11	-	77.04	77.23	75.09	16.30	60.74	NR	NR	15.68	61.36
MW-12	-	75.63	75.90	75.90	14.63	61.00	NR	NR	13.94	61.69
Former Production Well	1	71.64	72.43	72.43	11.99	60.44	9.26	63.17	11.49	60.94
	2	71.64	72.43	72.43	12.00	60.43	9.14	63.29	11.58	60.85
	3	71.64	72.43	72.43	11.96	60.47	9.01	63.42	11.65	60.78
	4	71.64	72.43	72.43	11.76	60.67	8.77	63.66	11.48	60.95
	5	71.64	72.43	72.43	11.66	60.77	8.71	63.72	11.22	61.21
	6	71.64	72.43	72.43	11.67	60.76	8.72	63.71	11.25	61.18
	7	71.64	72.43	72.43	11.65	60.78	8.42	64.01	11.14	61.29
	8	71.64	72.43	72.43	11.60	60.83	8.36	64.07	11.25	61.18
	9	71.64	72.43	72.43	11.51	60.92	8.28	64.15	11.15	61.28
MW-13	1	66.49	67.23	67.23	6.94	60.29	4.19	63.04	6.22	60.58
	2	66.49	67.23	67.23	7.22	60.01	4.3	62.93	6.21	60.63
	3	66.49	67.23	67.23	6.80	60.43	4.24	62.99	6.25	60.59
	4	66.49	67.23	67.23	6.56	60.67	3.91	63.32	5.86	61.02
	5	66.49	67.23	67.23	6.46	60.77	3.79	63.44	5.92	61.00
	6	66.49	67.23	67.23	6.46	60.77	3.89	63.34	5.73	61.08
	7	66.49	67.23	67.23	6.43	60.80	3.67	63.56	5.54	61.32

TABLE 4-3
WATER LEVEL MEASUREMENTS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Location	Port	PVC Elevation (ft)	Casing Elevation (ft)	Ground Elevation (ft)	7/9/2010		3/19/2010		10/12/2009	
					Depth to Water (ft)	Water Level Elevation (MSL)	Depth to Water (ft)	Water Level Elevation (MSL)	Depth to Water (ft)	Water Level Elevation (MSL)
MW-14S	1	77.05	77.91	75.08	17.03	60.88	13.82	64.09	16.61	61.30
	2	77.05	77.91	75.08	17.09	60.82	13.93	63.98	16.63	61.28
	3	77.05	77.91	75.08	17.25	60.66	14.12	63.79	16.83	61.08
	4	77.05	77.91	75.08	17.22	60.69	14.09	63.82	16.42	61.49
MW-14D	1	76.79	77.92	75.29	17.26	60.66	14.13	63.79	16.71	61.21
	2	76.79	77.92	75.29	17.26	60.66	14.25	63.67	16.72	61.20
	3	76.79	77.92	75.29	17.21	60.71	14.13	63.79	16.68	61.24
MW-15S	1	77.46	78.14	75.42	17.58	60.56	13.78	64.36	16.50	61.40
	2	77.46	78.14	75.42	17.60	60.54	14.48	63.66	16.65	61.24
MW-15D	1	77.35	78.17	75.26	17.57	60.60	14.42	63.75	16.30	61.45
	2	77.35	78.17	75.26	17.59	60.58	14.28	63.89	16.47	61.26
MW-16	1	69.87	70.73	70.73	10.24	60.49	7.09	63.64	9.48	60.68
	2	69.87	70.73	70.73	10.30	60.43	7.11	63.62	9.55	60.65
	3	69.87	70.73	70.73	10.38	60.35	7.06	63.67	9.44	60.72
	4	69.87	70.73	70.73	10.34	60.39	6.92	63.81	9.35	60.84
	5	69.87	70.73	70.73	10.22	60.51	6.95	63.78	9.29	60.84
	6	69.87	70.73	70.73	10.32	60.41	7.01	63.72	9.24	60.86
	7	69.87	70.73	70.73	10.17	60.56	6.97	63.76	9.08	61.03
MW-17	1	80.14	81.03	81.03	20.60	60.43	17.23	63.8	19.59	60.94
	2	80.14	81.03	81.03	20.67	60.36	17.29	63.74	19.58	60.83
	3	80.14	81.03	81.03	20.64	60.39	17.15	63.88	19.68	60.82
MW-18	1	67.38	68.24	68.24	9.62	58.62	4.83	63.41	8.14	59.59
	2	67.38	68.24	68.24	9.95	58.29	5.24	63	8.50	59.22
MW-19	1	63.78	64.53	64.53	12.75	51.78	10.49	54.04	12.70	51.83
	2	63.78	64.53	64.53	12.48	52.05	9.56	54.97	12.34	52.19
	3	63.78	64.53	64.53	11.28	53.25	8.46	56.07	11.14	53.39
	4	63.78	64.53	64.53	11.02	53.51	8	56.53	10.81	53.72
	5	63.78	64.53	64.53	11.11	53.42	7.95	56.58	10.84	53.69
	6	63.78	64.53	64.53	8.63	55.90	5.5	59.03	8.35	56.18
	7	63.78	64.53	64.53	5.90	58.63	2.92	61.61	5.71	58.82

TABLE 4-3
WATER LEVEL MEASUREMENTS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Location	Port	PVC Elevation (ft)	Casing Elevation (ft)	Ground Elevation (ft)	7/9/2010		3/19/2010		10/12/2009	
					Depth to Water (ft)	Water Level Elevation (MSL)	Depth to Water (ft)	Water Level Elevation (MSL)	Depth to Water (ft)	Water Level Elevation (MSL)
MW-20	1	65.42	66.22	66.22	10.46	55.76	8.5	57.72	10.10	55.64
	2	65.42	66.22	66.22	10.22	56.00	7.68	58.54	9.90	55.80
	3	65.42	66.22	66.22	9.52	56.70	6.56	59.66	8.94	56.81
	4	65.42	66.22	66.22	9.76	56.46	7.06	59.16	9.30	56.46
	5	65.42	66.22	66.22	9.72	56.50	6.85	59.37	9.31	56.47
	6	65.42	66.22	66.22	7.60	58.62	4.61	61.61	6.83	58.90
	7	65.42	66.22	66.22	7.04	59.18	3.96	62.26	6.47	59.31
	8	65.42	66.22	66.22	6.93	59.29	3.89	62.33	6.24	59.54
MW-21	1	58.50	59.17	59.17	5.18	53.99	2.225	56.945	5.24	53.93
	2	58.50	59.17	59.17	4.90	54.27	2.31	56.86	4.92	54.25
	3	58.50	59.17	59.17	4.70	54.47	2.21	56.96	4.50	54.67
	4	58.50	59.17	59.17	4.74	54.43	2.26	56.91	4.41	54.76
	5	58.50	59.17	59.17	4.62	54.55	1.68	57.49	4.10	55.07
	6	58.50	59.17	59.17	0.90	58.27	0.32	58.85	0.31	58.86
	7	58.50	59.17	59.17	0.98	58.19	0.33	58.84	0.40	58.77
	8	58.50	59.17	59.17	0.95	58.22	0.42	58.75	0.42	58.75
MW-22	1	68.52	69.28	69.28	8.30	60.98	5.62	63.66	8.52	60.76
	2	68.52	69.28	69.28	8.60	60.68	5.87	63.41	8.44	60.84
	3	68.52	69.28	69.28	8.46	60.82	5.61	63.67	8.29	60.99
	4	68.52	69.28	69.28	8.33	60.95	5.27	64.01	7.79	61.49
ERT-1	1	72.84	73.46	70.47	12.59	60.43	NR	NR	12.10	60.92
	2	72.84	73.46	70.47	12.57	60.46	NR	NR	12.02	61.01
	3	72.84	73.46	70.47	12.56	60.46	NR	NR	12.15	60.87
	4	72.84	73.46	70.47	12.55	60.47	NR	NR	12.05	60.97
	5	72.84	73.46	70.47	12.51	60.52	NR	NR	12.04	60.99
	6	72.84	73.46	70.47	12.40	60.61	NR	NR	11.84	61.17
	7	72.84	73.46	70.47	12.40	60.63	NR	NR	11.82	61.21
	8	72.84	73.46	70.47	12.41	60.61	NR	NR	11.87	61.15

TABLE 4-3
WATER LEVEL MEASUREMENTS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Location	Port	PVC Elevation (ft)	Casing Elevation (ft)	Ground Elevation (ft)	7/9/2010		3/19/2010		10/12/2009	
					Depth to Water (ft)	Water Level Elevation (MSL)	Depth to Water (ft)	Water Level Elevation (MSL)	Depth to Water (ft)	Water Level Elevation (MSL)
ERT-2	1	80.36	80.99	80.99	19.25	61.74	16.59	64.4	19.23	61.33
	2	80.36	80.99	80.99	20.24	60.75	17.42	63.57	19.79	60.78
	3	80.36	80.99	80.99	20.30	60.69	17.08	63.91	19.53	61.03
	4	80.36	80.99	80.99	20.45	60.54	17.05	63.94	19.47	61.08
	5	80.36	80.99	80.99	20.29	60.70	17.19	63.8	19.59	60.91
	6	80.36	80.99	80.99	20.52	60.47	17.23	63.76	19.54	61.01
	7	80.36	80.99	80.99	20.54	60.45	17.22	63.77	19.50	61.06
ERT-3	1	68.69	69.10	65.84	11.27	57.63	8.28	61.04	11.33	57.57
	2	68.69	69.10	65.84	11.26	57.70	8.55	60.85	11.31	57.66
	3	68.69	69.10	65.84	11.01	57.90	8.28	61.07	11.00	57.98
	4	68.69	69.10	65.84	10.98	57.90	8.05	61.27	10.91	58.00
	5	68.69	69.10	65.84	9.24	59.70	6.1	63.25	9.00	59.95
	6	68.69	69.10	65.84	9.23	59.77	6.03	63.36	8.94	60.02
ERT-4	1	61.77	62.43	59.21	6.37	55.61	2.65	60.02	6.63	55.41
	2	61.77	62.43	59.21	5.43	56.56	2.5	60.17	5.17	56.86
	3	61.77	62.43	59.21	5.31	56.65	2.33	60.31	5.08	56.93
	4	61.77	62.43	59.21	5.34	56.68	2.28	60.43	5.17	57.00
	5	61.77	62.43	59.21	5.35	56.74	2.27	60.52	5.19	56.97
	6	61.77	62.43	59.21	5.21	56.86	2.22	60.57	5.13	57.04
	7	61.77	62.43	59.21	5.14	56.86	2.05	60.76	4.97	57.22
ERT-5	1	69.03	69.72	69.72	11.44	58.28	6.58	63.14	10.42	58.81
	2	69.03	69.72	69.72	11.80	57.92	7.12	62.60	10.73	58.50
	3	69.03	69.72	69.72	10.50	59.22	5.31	64.41	9.15	60.09
	4	69.03	69.72	69.72	10.10	59.62	4.87	64.85	8.64	60.51
	5	69.03	69.72	69.72	10.69	59.03	5.61	64.11	9.27	59.97
	6	69.03	69.72	69.72	10.60	59.12	5.51	64.21	9.19	60.05
ERT-6	1	67.52	68.04	65.49	10.45	57.28	6.67	61.37	10.13	57.60
	2	67.52	68.04	65.49	9.85	57.88	5.97	62.07	9.52	58.19
	3	67.52	68.04	65.49	9.73	57.98	5.93	62.11	9.42	58.30
	4	67.52	68.04	65.49	10.11	57.62	6.28	61.76	9.79	57.93
	5	67.52	68.04	65.49	9.62	58.10	5.8	62.24	9.26	58.46

TABLE 4-3
WATER LEVEL MEASUREMENTS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Location	Port	PVC Elevation (ft)	Casing Elevation (ft)	Ground Elevation (ft)	7/9/2010		3/19/2010		10/12/2009	
					Depth to Water (ft)	Water Level Elevation (MSL)	Depth to Water (ft)	Water Level Elevation (MSL)	Depth to Water (ft)	Water Level Elevation (MSL)
ERT-7	1	80.19	81.00	81.00	20.20	60.80	15.9	65.1	19.28	61.72
	2	80.19	81.00	81.00	21.17	59.83	16.22	64.78	19.52	61.48
	3	80.19	81.00	81.00	22.50	58.50	16.84	64.16	19.78	61.22
	4	80.19	81.00	81.00	20.48	60.52	16.62	64.38	19.39	61.61
	5	80.19	81.00	81.00	20.60	60.40	16.71	64.29	19.86	61.14
ERT-8	1	82.74	83.36	83.36	21.80	61.56	18.52	64.84	20.98	62.38
	2	82.74	83.36	83.36	22.42	60.94	18.23	65.13	21.48	61.88
	3	82.74	83.36	83.36	22.50	60.86	18.29	65.07	21.59	61.77
	4	82.74	83.36	83.36	113.60	-30.24	93.2*	-9.84	22.62	60.74
	5	82.74	83.36	83.36	22.40	60.96	18.19	65.17	21.63	61.73
	6	82.74	83.36	83.36	22.44	60.92	18.24	65.12	21.65	61.71
	7	82.74	83.36	83.36	22.50	60.86	18.3	65.06	21.78	61.58
STAFF GAGE 1	Upstream	64.61 ¹	-	-	0.58	58.59	1.18	59.19	0.66	58.67
STAFF GAGE 2 ^I	Midstream	62.30 ¹	-	-	-	-	NR	NR	1.50	57.20
STAFF GAGE 2 ^R	Midstream	62.74 ¹	-	-	0.41	56.55	-	-	-	-
STAFF GAGE 3 ^I	Downstream	61.62 ¹	-	-	-	-	NR	NR	1.58	56.60
STAFF GAGE 3 ^R	Downstream	57.60 ¹	-	-	1.24	52.24	-	-	-	-
STAFF GAGE 4	Trib	59.25 ¹	-	-	0.72	53.37	-	-	-	-
STAFF GAGE 5	Spring Lake	58.14 ¹	-	-	1.43	52.97	-	-	-	-

					03/21/11		12/20/10	
MW-23	1	69.68	70.43	70.43	14.87	55.56	18.68	51.75
	2	69.68	70.43	70.43	15.52	54.91	18.04	52.39
	3	69.68	70.43	70.43	15.63	54.8	17.49	52.94
	4	69.68	70.43	70.43	14.06	56.37	18.85	51.58
	5	69.68	70.43	70.43	14.42	56.01	18.61	51.82
	6	69.68	70.43	70.43	16.64	53.79	18.66	51.77
	7	69.68	70.43	70.43	13.48	56.95	17.53	52.9
	8	69.68	70.43	70.43	17.45	52.98	19.81	50.62
	9	69.68	70.43	70.43	10.41	60.02	12.42	58.01

TABLE 4-3
WATER LEVEL MEASUREMENTS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Notes: MSL = Feet above mean sea level
NR = Not recorded during measurement period
* Well dry during measurement period
¹ These values are the elevations of the top of the staff gages (6.6 ft).
^R Staff gages reinstalled (5/21/2010) and resurveyed (7/26/2010) after original gages were damaged due to winter condtions
^I Staff gages were damaged and are no longer in use

Depth to water measurements are in feet below mesuring point.

Horizontal Datum: NJ State Plane NAD83 feet. Vertical Datum: NAVD 88 feet mean sea level.

TABLE 5-1
POTENTIAL GROUNDWATER CLEANUP STANDARDS
Cornell -Dubilier Electronics Superfund Site
South Plainfield, New Jersey

COMPOUND	CAS NUMBER	NJDEP Modified Groundwater Quality Criterion (µg/L)	Federal MCL (µg/L)	NJDEP Drinking Water MCLs MCL (µg/L)	Potential Cleanup Standard (µg/L)
Acenaphthene	83-32-9	400	NA	NA	400
Acenaphthylene	208-96-8	NA	NA	NA	NA
Acetone	67-64-1	6000	NA	NA	6000
Acrolein	107-02-8	5	NA	NA	5
Acrylamide	79-06-1	0.2	NA	NA	0.2
Acrylonitrile	107-13-1	2	NA	NA	2
Adipates	103-23-1	30	NA	NA	30
Alachlor	15972-60-8	0.4	2	2	0.4
Aldicarb	116-06-3	NA	3	3	3
Aldicarb Sulfoxide	1646-87-3	NA	4	4	4
Aldicarb Sulfone	1646-88-4	7	3	NA	3
Aldrin	309-00-2	0.04	NA	NA	0.04
Aluminum	7429-90-5	200	NA	200	200
Ammonia (Total)	7664-41-7	3000	NA	NA	3000
Aniline	62-53-3	6	NA	NA	6
Anthracene	120-12-7	2000	NA	NA	2000
Antimony (Total)	7440-36-0	6	6	6	6
Arsenic (Total)	7440-38-2	3	10	5	3
Atrazine	1912-24-9	3	3	3	3
Barium	7440-39-3	6000	2000	6000	2000
Benz(a)anthracene	56-55-3	0.1	NA	NA	0.1
Benzene	71-43-2	1	5	1	1
Benzidine	92-87-5	20	NA	NA	20
Benzyl Alcohol	100-51-6	2000	NA	NA	2000
Benzo(a)pyrene	50-32-8	0.1	0.2	NA	0.1
Benzo(b)fluoranthene	205-99-2	0.2	NA	NA	0.2
Benzo(ghi)perylene	191-24-2	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.5	NA	NA	0.5
Beryllium	7440-41-7	1	4	4	1
alpha-BHC	319-84-6	0.02	NA	NA	0.02
beta-BHC	319-85-7	0.04	NA	NA	0.04
gamma-BHC	58-89-9	0.03	0	0	0.03
Bis(2-chloroethyl)ether	111-44-4	7	NA	NA	7
Bis(2-chloroisopropyl)ether	39638-32-9	300	NA	NA	300
Bis(2-ethylhexyl)phthalate	117-81-7	3	6	6	3
Bromodichloromethane	75-27-4	1	NA	NA	1
Bromoform	75-25-2	4	NA	NA	4
n-Butyl Alcohol (n-Butanol)	71-36-3	700	NA	NA	700
Butylbenzyl phthalate	85-68-7	100	NA	NA	100
Cadmium	7440-43-9	4	5	5	4
Carbofuran	1563-66-2	40	40	40	40
Carbon disulfide	75-15-0	700	NA	NA	700
Carbon tetrachloride	56-23-5	1	5	2	1
Chlordane	57-74-9	0.5	2	0.5	0.5
Chloride	16887-00-6	250000	NA	250000	250000
4-Chloroaniline	106-47-8	30	NA	NA	30
Chlorobenzene	108-90-7	50	100	50	50
Chloroethane	75-00-3	NA	NA	NA	NA

TABLE 5-1
POTENTIAL GROUNDWATER CLEANUP STANDARDS
Cornell -Dubilier Electronics Superfund Site
South Plainfield, New Jersey

COMPOUND	CAS NUMBER	NJDEP Modified Groundwater Quality Criterion (µg/L)	Federal MCL (µg/L)	NJDEP Drinking Water MCLs MCL (µg/L)	Potential Cleanup Standard (µg/L)
Chloroform	67-66-3	70	NA	NA	70
4-chloro-3-methyl	59-50-7	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	600	NA	NA	600
2-Chlorophenol	95-57-8	40	NA	NA	40
Chlorpyrifos	12921-88-2	20	NA	NA	20
Chromium (Total)	7440-47-3	70	100	100	70
Chrysene	218-01-9	5	NA	NA	5
Color	--	NA	NA	NA	NA
Copper	7440-50-8	1300	1300	NA	1300
Corrosivity	--	NA	NA	NA	NA
Cyanide	57-12-5	100	200	200	100
2,4-D	94-75-7	70	70	70	70
Dalapon	75-99-0	200	200	200	200
4,4'-DDD	72-54-8	0.1	NA	NA	0.1
4,4'-DDE	72-55-9	0.1	NA	NA	0.1
4,4'-DDT	50-29-3	0.1	NA	NA	0.1
Demeton	8065-48-3	1	NA	NA	1
Di(2-ethylhexyl)adipate	103-23-1	NA	400	400	400
Dibenz(a,h)anthracene	53-70-3	0.3	NA	NA	0.3
Dibromochloromethane	124-48-1	1	NA	NA	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.02	0.2	NA	0.02
Di-n-butyl phthalate	84-74-2	700	NA	NA	700
1,2-Dichlorobenzene	95-50-1	600	600	600	600
1,3-Dichlorobenzene	541-73-1	600	NA	600	600
1,4-Dichlorobenzene	106-46-7	75	75	75	75
3,3'-Dichlorobenzidine	91-94-1	30	NA	NA	30
Dichlorodifluoromethane (Freon12)	75-71-8	1000	NA	NA	1000
1,1-Dichloroethane	75-34-3	50	NA	50	50
1,2-Dichloroethane	107-06-2	2	5	2	2
1,1-Dichloroethylene	75-35-4	1	7	2	1
cis-1,2-Dichloroethylene	156-59-2	70	70	70	70
trans-1,2-Dichloroethylene	156-60-5	100	100	100	100
2,4-Dichlorophenol	120-83-2	20	NA	NA	20
1,2-Dichloropropane	78-87-5	1	5	5	1
cis-1,3-Dichloropropene	10061-01-5	NA	NA	NA	NA
trans-1,3-Dichloropropene	10061-02-6	NA	NA	NA	NA
1,3-Dichloropropene (Total)	542-75-6	1	NA	NA	1
Dieldrin	60-57-1	0.03	NA	NA	0.03
Diethyl phthalate	84-66-2	6000	NA	NA	6000
2,4-Dimethylphenol	105-67-9	100	NA	NA	100
Dimethyl phthalate	131-11-3	NA	NA	NA	NA
4,6-Dinitro-o-cresol	534-52-1	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	40	NA	NA	40
2,4-Dinitrotoluene/2,6-Dinitrotoluene Mixture	25321-14-6	10	NA	NA	10
2,6-Dinitrotoluene	606-20-2	NA	NA	NA	NA
Di-n-octyl phthalate	117-84-0	100	NA	NA	100
Dinoseb	88-85-7	7	7	7	7
1,2-diphenylhydrazine	122-66-7	20	NA	NA	20

TABLE 5-1
POTENTIAL GROUNDWATER CLEANUP STANDARDS
Cornell -Dubilier Electronics Superfund Site
South Plainfield, New Jersey

COMPOUND	CAS NUMBER	NJDEP Modified Groundwater Quality Criterion (µg/L)	Federal MCL (µg/L)	NJDEP Drinking Water MCLs MCL (µg/L)	Potential Cleanup Standard (µg/L)
Diquat	85-00-7	20	20	20	20
Endosulfan (alpha + beta)	115-29-7	40	NA	NA	40
alpha-Endosulfan	959-98-8	40	NA	NA	40
beta-Endosulfan	3-213-65-9	40	NA	NA	40
Endosulfan Sulfate	1031-07-8	40	NA	NA	40
Endothall	145-73-3	100	100	100	100
Endrin	72-20-8	2	2	2	2
Epichlorohydrin	106-89-8	5	NA	NA	5
Ethylbenzene	100-41-4	700	700	700	700
Ethylene dibromide	106-93-4	0.03	0.05	NA	0.03
Fluoranthene	206-44-0	300	NA	NA	300
Fluorene	86-73-7	300	NA	NA	300
Fluoride	7782-41-4	2000	4000	4000	2000
Foaming Agents (ABS/LAS)	--	500	NA	500	500
Glyphosate	1071-83-6	700	700	700	700
Hardness (as CaCO3)	--	250000	NA	250000	250000
Heptachlor	76-44-8	0.05	0.4	NA	0.05
Heptachlor epoxide	1024-57-3	0.2	0.2	NA	0.2
Hexachlorobenzene	118-74-1	0.02	1	1	0.02
Hexachlorobutadiene	87-68-3	1	NA	NA	1
Hexachlorocyclopentadiene	77-47-4	40	50	50	40
Hexachloroethane	67-72-1	7	NA	NA	7
2-Hexanone	591-78-6	NA	NA	NA	NA
Hydrogen sulfide	7783-06-4	20	NA	NA	20
Indeno(1,2,3-cd)pyrene	193-39-5	0.2	NA	NA	0.2
Iron	7439-89-6	300	NA	300	300
Isophorone	78-59-1	40	NA	NA	40
Isopropyl Benzene (Cumene)	98-82-8	700	NA	NA	700
Lead (Total)	7439-92-1	5	15	NA	5
Malathion	121-75-5	100	NA	NA	100
Manganese	7439-96-5	50	NA	50	50
Mercury (Total)	7439-97-6	2	2	2	2
Methoxychlor	72-43-5	40	40	40	40
Methyl acetate	79-20-9	7000	NA	NA	7000
Methyl Bromide (Bromomethane)	74-83-9	10	NA	NA	10
Methyl cyclohexane	108-87-2	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	78-93-3	300	NA	NA	300
3-Methyl-4-chlorophenol	59-50-7	NA	NA	NA	NA
Methylene Chloride (Dichloromethane)	75-09-2	3	5	3	3
4-Methyl-2-pentanone	108-10-1	400	NA	NA	400
Methyl-t-Butyl Ether	1634-04-4	70	NA	70	70
Mirex	2385-85-5	0.1	NA	NA	0.1
Naphthalene	91-20-3	300	NA	300	300
Nickel	7440-02-0	100	NA	NA	100
Nitrate	14797-55-8	10000	10000	10000	10000
Nitrate and Nitrite	--	10000	10000	10000	10000
Nitrite	14797-65-0	1000	1000	1000	1000
Nitrobenzene	98-95-3	6	NA	NA	6

TABLE 5-1
POTENTIAL GROUNDWATER CLEANUP STANDARDS
Cornell -Dubilier Electronics Superfund Site
South Plainfield, New Jersey

COMPOUND	CAS NUMBER	NJDEP Modified Groundwater Quality Criterion (µg/L)	Federal MCL (µg/L)	NJDEP Drinking Water MCLs MCL (µg/L)	Potential Cleanup Standard (µg/L)
N-Nitrosodimethylamine	62-75-9	0.8	NA	NA	0.8
N-Nitrosodiphenylamine	86-30-6	10	NA	NA	10
N-Nitrosodi-n-propylamine	621-64-7	10	NA	NA	10
Oxamyl	23135-22-0	200	200	200	200
PCBs	1336-36-3	0.5	0.5	NA	0.5
Pentachlorophenol	87-86-5	0.3	1	1	0.3
pH	--	NA	NA	NA	NA
Phenanthrene	85-01-8	NA	NA	NA	NA
Phenol	108-95-2	2000	NA	NA	2000
Picloram	1918-02-1	500	500	500	500
Pyrene	129-00-0	200	NA	NA	200
Selenium (Total)	7782-49-2	40	50	50	40
Silver	7440-22-4	40	NA	100	40
Simazine	122-34-9	0.8	4	4	0.8
Sodium	7440-23-5	50000	NA	50000	50000
Styrene	100-42-5	100	100	100	100
Sulfate	14808-79-8	250000	250000	250000	250000
2,3,7,8-TCDD (Dioxin)	1746-01-6	0.00001	0.00003	NA	0.00001
tert-Butyl Alcohol	75-65-0	100	NA	NA	100
1,1,1,2-Tetrachloroethane	630-20-6	1	NA	NA	1
1,1,2,2-Tetrachloroethane	79-34-5	1	NA	1	1
Tetrachloroethylene	127-18-4	1	5	1	1
2,3,4,6-Tetrachlorophenol	58-90-2	200	NA	NA	200
Tetrahydrofuran	109-99-9	10	NA	NA	10
Thallium	7440-28-0	2	2	2	2
Toluene	108-88-3	600	1000	1000	600
Total Dissolved Solids	--	500000	500000	500000	500000
Toxaphene	8001-35-2	2	3	3	2
2,4,5-TP	93-72-1	60	50	50	50
1,2,4-Trichlorobenzene	120-82-1	9	70	9	9
1,1,1-Trichloroethane	71-55-6	30	200	30	30
1,1,2-Trichloroethane	79-00-5	3	5	3	3
Trichloroethylene	79-01-6	1	5	1	1
Trichlorofluoromethane (Freon11)	75-69-4	2000	NA	NA	2000
2,4,5-Trichlorophenol	95-95-4	700	NA	NA	700
2,4,6-Trichlorophenol	88-06-2	20	NA	NA	20
1,2,3-Trichloropropane	96-18-4	0.03	NA	NA	0.03
Vinyl acetate	108-05-4	7000	NA	NA	7000
Vinyl chloride	75-01-4	1	2	2	1
Xylenes (Total)	1330-20-7	1000	10000	1000	1000
m & p Xylenes	--	NA	NA	NA	NA
o-Xylene	--	NA	NA	NA	NA
Zinc	7440-66-6	2000	NA	5000	2000
PCBs (Polychlorinated biphenyls) (Total)	1336-36-3	0.5	0.5	NA	0.5

TABLE 5-2
DATA SUMMARY AND SELECTION OF CHEMICALS OF CONCERN (COC) IN ALL GROUNDWATER DATA
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Chemical	October 2009 Groundwater			March 2010 Groundwater			July 2010 Groundwater		
	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)
<i>Volatile Organic Compounds</i>									
1,1,1-Trichloroethane	9 / 128	0.27	0.92	11 / 128	0.17	1.0	Not Sampled		
1,1,2-Trichloro-1,2,2-trifluoroethane	1 / 128	1.2	1.2	2 / 128	1.3	2.2	Not Sampled		
1,1,2-Trichloroethane	3 / 128	0.46	1.8	23 / 128	0.27	120	Not Sampled		
1,1-Dichloroethane	20 / 128	0.29	1.6	42 / 128	0.11	26	Not Sampled		
1,1-Dichloroethene	22 / 128	0.96	13	59 / 128	0.53	280	Not Sampled		
1,2,3-Trichlorobenzene	10 / 127	0.53	84	26 / 126	0.12	280	Not Sampled		
1,2,4-Trichlorobenzene	16 / 127	0.39	340	28 / 126	0.10	1,600	Not Sampled		
1,2-Dibromo-3-chloropropane	1 / 128	0.39	0.39	8 / 127	0.04	0.18	Not Sampled		
1,2-Dibromoethane (ethylene dibromide)	0 / 128	--	--	1 / 128	0.01	0.01	Not Sampled		
1,2-Dichlorobenzene	4 / 127	0.57	3.7	21 / 126	0.15	56	Not Sampled		
1,2-Dichloroethane	6 / 128	0.46	0.79	21 / 128	0.22	15	Not Sampled		
1,3-Dichlorobenzene	8 / 127	0.24	29	24 / 126	0.02	120	Not Sampled		
1,4-Dichlorobenzene	9 / 127	0.62	44	25 / 126	0.25	110	Not Sampled		
2-Butanone (MEK)	12 / 128	3.0	39	2 / 124	1.8	4.8	Not Sampled		
Acetone	26 / 128	2.9	530	22 / 126	0.82	78	Not Sampled		
Benzene	6 / 128	0.28	1.8	25 / 128	0.14	24	Not Sampled		
Bromodichloromethane	17 / 128	0.28	1.7	4 / 127	0.25	0.48	Not Sampled		
Bromoform	14 / 127	0.55	2.0	5 / 126	0.37	2.9	Not Sampled		
Carbon tetrachloride	3 / 128	0.36	0.46	6 / 128	0.25	0.72	Not Sampled		
Chlorobenzene	9 / 128	0.26	65	22 / 128	0.21	54	Not Sampled		
Chloroform	37 / 128	0.48	150	53 / 128	0.26	19	Not Sampled		
Chloromethane	0 / 128	--	--	2 / 128	0.62	1.3	Not Sampled		
cis-1,2-Dichloroethene	105 / 128	0.27	390,000	102 / 128	0.25	53,000	Not Sampled		
Cyclohexane	2 / 128	2.2	2.3	9 / 128	0.23	13	Not Sampled		
Dibromochloromethane	11 / 128	0.26	0.61	7 / 128	0.21	1.2	Not Sampled		
Ethylbenzene	0 / 128	--	--	5 / 128	0.43	20	Not Sampled		
Isopropylbenzene (cumene)	0 / 128	--	--	3 / 128	0.20	5.1	Not Sampled		
m,p-Xylene	0 / 128	--	--	5 / 128	0.41	15	Not Sampled		
Methyl acetate	1 / 128	3.4	3.4	0 / 128	--	--	Not Sampled		
Methyl tert-butyl ether	45 / 128	0.33	330	56 / 128	0.15	320	Not Sampled		
Methylcyclohexane	0 / 128	--	--	11 / 127	0.14	42	Not Sampled		
Methylene chloride	1 / 128	1.4	1.4	20 / 128	0.23	7.0	Not Sampled		
o-Xylene	1 / 128	0.33	0.33	7 / 128	0.99	85	Not Sampled		
Tetrachloroethene	37 / 128	0.26	1,600	69 / 128	0.12	110	Not Sampled		
Toluene	60 / 128	0.16	78	71 / 128	0.13	86	Not Sampled		
trans-1,2-Dichloroethene	26 / 128	0.29	1,000	58 / 128	0.11	1,300	Not Sampled		
Trichloroethene	115 / 128	0.29	170,000	106 / 128	0.28	23,000	Not Sampled		
Trichlorofluoromethane	1 / 128	0.55	0.55	3 / 128	0.30	1.1	Not Sampled		
Vinyl chloride	25 / 128	0.71	710	39 / 128	0.36	860	Not Sampled		

TABLE 5-2
DATA SUMMARY AND SELECTION OF CHEMICALS OF CONCERN (COC) IN ALL GROUNDWATER DATA
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Chemical	October 2009 Groundwater			March 2010 Groundwater			July 2010 Groundwater		
	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)
<i>Semi-Volatile Organic Compounds</i>									
1,1'-Biphenyl	1 / 129	17	17	3 / 128	1.1	2.3	Not Sampled		
1,2,4,5-Tetrachlorobenzene	1 / 129	3.5	3.5	0 / 128	--	--	Not Sampled		
2,4-Dichlorophenol	1 / 129	5.3	5.3	0 / 128	--	--	Not Sampled		
2-Chlorophenol	1 / 128	2.6	2.6	0 / 128	--	--	Not Sampled		
2-Methylnaphthalene	2 / 129	0.18	2.2	4 / 128	0.12	0.27	Not Sampled		
Acenaphthene	2 / 129	0.28	0.39	3 / 128	0.13	0.34	Not Sampled		
Acetophenone	0 / 129	--	--	2 / 128	1.6	2.8	Not Sampled		
Anthracene	0 / 129	--	--	2 / 128	0.12	0.49	Not Sampled		
Benzaldehyde	2 / 128	4.2	7.2	0 / 128	--	--	Not Sampled		
Benzo(a)anthracene	0 / 129	--	--	3 / 128	0.08	1.7	Not Sampled		
Benzo(a)pyrene	5 / 129	0.14	4.3	3 / 128	0.20	2.5	Not Sampled		
Benzo(b)fluoranthene	2 / 128	2.1	3.0	8 / 128	0.08	2.1	Not Sampled		
Benzo(g,h,i)perylene	2 / 128	2.1	2.6	11 / 128	0.09	2.4	Not Sampled		
Benzo(k)fluoranthene	3 / 129	1.3	3.5	7 / 128	0.09	2.0	Not Sampled		
Bis(2-ethylhexyl)phthalate	25 / 129	2.1	26	5 / 128	1.2	3.7	Not Sampled		
Caprolactam	34 / 129	2.0	95	1 / 128	2.5	2.5	Not Sampled		
Carbazole	0 / 159	--	--	1 / 128	0.54	0.54	Not Sampled		
Chrysene	0 / 159	--	--	4 / 128	0.09	1.7	Not Sampled		
Dibenzo(a,h)anthracene	0 / 127	--	--	31 / 128	0.07	5.5	Not Sampled		
Diethylphthalate	1 / 129	41	41	1 / 128	1.7	1.7	Not Sampled		
Dimethylphthalate	1 / 129	11	11	0 / 128	--	--	Not Sampled		
Fluoranthene	0 / 129	--	--	3 / 128	0.38	2.9	Not Sampled		
Fluorene	1 / 129	0.56	0.56	2 / 128	0.17	0.29	Not Sampled		
Indeno(1,2,3-cd)pyrene	1 / 128	2.8	2.8	59 / 128	0.08	3.1	Not Sampled		
Naphthalene	26 / 129	0.08	14	37 / 128	0.08	6.5	Not Sampled		
Pentachlorophenol	0 / 129	--	--	2 / 66	0.08	0.09	Not Sampled		
Phenanthrene	0 / 129	--	--	3 / 128	0.13	1.5	Not Sampled		
Phenol	2 / 128	2.4	3.0	4 / 128	1.8	4.3	Not Sampled		
Pyrene	1 / 129	0.91	0.91	3 / 128	0.31	2.3	Not Sampled		
<i>Polychlorinated Biphenyls</i>									
Aroclor-1016	1 / 129	0.13	0.13	15 / 128	0.06	30	Not Sampled		
Aroclor-1248	21 / 122	0.12	7,300	0 / 128	--	--	Not Sampled		
Aroclor-1254	33 / 127	0.06	5,600	38 / 128	0.03	190	Not Sampled		
Total PCB Aroclors	27 / 119	0.058	12,900	42 / 128	0.031	190	Not Sampled		
Total PCB congeners	Not Sampled			16 / 16	0.000066	67,666	5 / 6	0.00288	222
<i>Pesticides</i>									
4,4'-DDD	15 / 72	0.09	1,800	0 / 0	--	--	Not Sampled		
4,4'-DDE	11 / 129	0.09	1,600	6 / 125	0.10	260	Not Sampled		
4,4'-DDT	22 / 129	0.13	4,000	4 / 124	12	840	Not Sampled		

TABLE 5-2
DATA SUMMARY AND SELECTION OF CHEMICALS OF CONCERN (COC) IN ALL GROUNDWATER DATA
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Chemical	October 2009 Groundwater			March 2010 Groundwater			July 2010 Groundwater		
	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)
alpha-BHC	5 / 129	0.12	0.33	8 / 128	0.09	68	Not Sampled		
beta-BHC	9 / 129	0.06	680	0 / 128	--	--	Not Sampled		
delta-BHC	5 / 70	0.18	880	0 / 128	--	--	Not Sampled		
Dieldrin	2 / 128	0.18	0.33	6 / 125	0.19	350	Not Sampled		
Endosulfan II	0 / 129	--	--	7 / 128	0.17	240	Not Sampled		
Endosulfan sulfate	0 / 129	--	--	7 / 128	0.08	75	Not Sampled		
Endrin	0 / 129	--	--	1 / 124	0.19	0.19	Not Sampled		
Endrin aldehyde	0 / 129	--	--	6 / 128	0.11	150	Not Sampled		
gamma-BHC (Lindane)	0 / 129	--	--	6 / 128	0.07	14	Not Sampled		
gamma-Chlordane	0 / 129	--	--	13 / 128	0.06	370	Not Sampled		
Heptachlor	10 / 129	0.06	300	6 / 128	0.37	120	Not Sampled		
Heptachlor epoxide	2 / 129	0.20	2.6	0 / 128	--	--	Not Sampled		
Methoxychlor	0 / 129	--	--	5 / 128	0.22	400	Not Sampled		
<i>Dioxins</i>									
2,3,7,8-TCDD TEQ	Not Sampled			22 / 23	9E-10	0.207422	24 / 24	6.3E-09	0.217825
<i>Inorganic Parameters</i>									
Aluminum	41 / 128	27	6,210	34 / 128	71	2,710	Not Sampled		
Antimony	4 / 129	2.0	3.2	1 / 128	3.5	3.5	Not Sampled		
Arsenic	129 / 129	0.87	829	128 / 128	0.68	428	Not Sampled		
Barium	128 / 129	12	8,790	128 / 128	8.7	8,330	Not Sampled		
Beryllium	3 / 129	0.069	0.20	2 / 128	0.23	0.45	Not Sampled		
Cadmium	16 / 129	0.04	4.6	8 / 128	0.30	17	Not Sampled		
Calcium	129 / 129	29,500	586,000	128 / 128	34,500	597,000	Not Sampled		
Chromium	44 / 129	0.11	78	53 / 128	0.36	97	Not Sampled		
Cobalt	40 / 129	0.044	4.6	30 / 128	0.20	6.6	Not Sampled		
Copper	85 / 128	0.36	123	100 / 128	0.57	62	Not Sampled		
Cyanide	19 / 129	1.0	25	0 / 128	--	--	Not Sampled		
Iron	37 / 129	33.7	8,520	32 / 128	47	8,300	Not Sampled		
Lead	110 / 129	0.71	21	124 / 128	0.25	33	Not Sampled		
Magnesium	129 / 129	1,160	130,000	128 / 128	4,210	135,000	Not Sampled		
Manganese	119 / 129	0.18	1,580	119 / 128	0.29	2,020	Not Sampled		
Mercury	0 / 129	--	--	18 / 128	0.05	0.12	Not Sampled		
Nickel	95 / 110	0.72	13	95 / 128	0.21	18	Not Sampled		
Potassium	95 / 129	791	26,700	66 / 128	1,660	27,800	Not Sampled		
Selenium	37 / 129	0.16	1.1	4 / 128	0.97	2.2	Not Sampled		
Silver	12 / 129	0.02	0.12	0 / 128	--	--	Not Sampled		
Sodium	129 / 129	8,750	184,000	128 / 128	8,450	691,000	Not Sampled		
Vanadium	87 / 129	5.1	23	121 / 128	1.3	30	Not Sampled		
Zinc	129 / 129	6.2	125	128 / 128	2.5	187	Not Sampled		

TABLE 5-2
DATA SUMMARY AND SELECTION OF CHEMICALS OF CONCERN (COC) IN ALL GROUNDWATER DATA
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Chemical	December 2010 Groundwater (MW-23)			March 2011 Groundwater (MW-23)			Combined Data Summary			Selection of COCs	
	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Potential Cleanup Standard (µg/L)	Chemical Selected as COC? [Y/N]
<i>Volatile Organic Compounds</i>											
1,1,1-Trichloroethane	3 / 9	0.061	0.12	0 / 9	--	--	23 / 274	0.061	1.00	30	N
1,1,2-Trichloro-1,2,2-trifluoroethane	0 / 9	--	--	0 / 9	--	--	3 / 274	1.200	2.20	N/A	N
1,1,2-Trichloroethane	0 / 9	--	--	0 / 9	--	--	26 / 274	0.265	120	3	Y
1,1-Dichloroethane	5 / 9	0.11	0.17	0 / 9	--	--	67 / 274	0.110	26	50	N
1,1-Dichloroethene	5 / 9	0.57	1.6	6 / 9	0.22	0.87	92 / 274	0.220	280	1	Y
1,2,3-Trichlorobenzene	0 / 9	--	--	0 / 9	--	--	36 / 271	0.120	280	N/A	N
1,2,4-Trichlorobenzene	0 / 9	--	--	0 / 9	--	--	44 / 271	0.100	1,600	9	Y
1,2-Dibromo-3-chloropropane	0 / 9	--	--	0 / 9	--	--	9 / 273	0.037	0.39	0.02	Y
1,2-Dibromoethane (ethylene dibromide)	0 / 9	--	--	0 / 9	--	--	1 / 274	0.010	0.01	0.03	N
1,2-Dichlorobenzene	0 / 9	--	--	0 / 9	--	--	25 / 271	0.150	56	600	N
1,2-Dichloroethane	0 / 9	--	--	0 / 9	--	--	27 / 274	0.220	15	2	Y
1,3-Dichlorobenzene	0 / 9	--	--	0 / 9	--	--	32 / 271	0.015	120	600	N
1,4-Dichlorobenzene	0 / 9	--	--	0 / 9	--	--	34 / 271	0.250	110	75	Y
2-Butanone (MEK)	0 / 9	--	--	0 / 9	--	--	14 / 270	1.800	39	300	N
Acetone	5 / 9	6.5	14	0 / 9	--	--	53 / 272	0.820	530	6000	N
Benzene	0 / 9	--	--	0 / 9	--	--	31 / 274	0.135	24	1	Y
Bromodichloromethane	1 / 9	0.14	0.14	0 / 9	--	--	22 / 273	0.140	1.70	1	Y
Bromoform	0 / 9	--	--	0 / 9	--	--	19 / 271	0.370	2.90	4	N
Carbon tetrachloride	0 / 9	--	--	0 / 9	--	--	9 / 274	0.250	0.72	1	N
Chlorobenzene	0 / 9	--	--	0 / 9	--	--	31 / 274	0.210	65	50	Y
Chloroform	4 / 9	0.59	1.3	3 / 9	0.23	0.39	97 / 274	0.230	150	70	Y
Chloromethane	0 / 9	--	--	0 / 9	--	--	2 / 274	0.620	1.30	N/A	N
cis-1,2-Dichloroethene	9 / 9	0.49	19	8 / 9	1.6	9.6	224 / 274	0.250	390,000	70	Y
Cyclohexane	0 / 9	--	--	0 / 9	--	--	11 / 274	0.225	13	N/A	N
Dibromochloromethane	0 / 9	--	--	0 / 9	--	--	18 / 274	0.210	1.20	1	Y
Ethylbenzene	0 / 9	--	--	0 / 9	--	--	5 / 274	0.430	20	700	N
Isopropylbenzene (cumene)	0 / 9	--	--	0 / 9	--	--	3 / 274	0.200	5.10	700	N
m,p-Xylene	0 / 9	--	--	0 / 9	--	--	5 / 274	0.410	15	N/A	N
Methyl acetate	0 / 9	--	--	0 / 9	--	--	1 / 274	3.400	3.40	7000	N
Methyl tert-butyl ether	8 / 9	0.1	0.46	2 / 9	0.28	0.36	111 / 274	0.100	330	70	Y
Methylcyclohexane	0 / 9	--	--	0 / 9	--	--	11 / 273	0.140	42	N/A	N
Methylene chloride	0 / 9	--	--	0 / 9	--	--	21 / 274	0.230	7	3	Y
o-Xylene	0 / 9	--	--	0 / 9	--	--	8 / 274	0.330	85	N/A	N
Tetrachloroethene	3 / 9	0.3	0.55	3 / 9	0.25	0.35	112 / 274	0.120	1,600	1	Y
Toluene	9 / 9	2.2	48	3 / 9	3.1	9.1	143 / 274	0.130	86	600	N
trans-1,2-Dichloroethene	0 / 9	--	--	0 / 9	--	--	84 / 274	0.110	1,300	100	Y
Trichloroethene	9 / 9	3.8	120	9 / 9	0.43	70	239 / 274	0.280	170,000	1	Y
Trichlorofluoromethane	0 / 9	--	--	0 / 9	--	--	4 / 274	0.300	1.10	2000	N
Vinyl chloride	0 / 9	--	--	0 / 9	--	--	64 / 274	0.360	860	1	Y

TABLE 5-2
DATA SUMMARY AND SELECTION OF CHEMICALS OF CONCERN (COC) IN ALL GROUNDWATER DATA
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Chemical	December 2010 Groundwater (MW-23)			March 2011 Groundwater (MW-23)			Combined Data Summary			Selection of COCs	
	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Potential Cleanup Standard (µg/L)	Chemical Selected as COC? [Y/N]
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	0 / 9	--	--	0 / 9	--	--	4 / 275	1.10	17	400	N
1,2,4,5-Tetrachlorobenzene	0 / 9	--	--	0 / 9	--	--	1 / 275	3.50	3.50	N/A	N
2,4-Dichlorophenol	0 / 9	--	--	0 / 9	--	--	1 / 275	5.30	5.30	20	N
2-Chlorophenol	0 / 9	--	--	0 / 9	--	--	1 / 274	2.60	2.60	40	N
2-Methylnaphthalene	0 / 9	--	--	0 / 9	--	--	6 / 275	0.12	2.20	30	N
Acenaphthene	0 / 9	--	--	0 / 9	--	--	5 / 275	0.13	0.39	400	N
Acetophenone	0 / 9	--	--	0 / 9	--	--	2 / 275	1.60	2.80	700	N
Anthracene	0 / 9	--	--	0 / 9	--	--	2 / 275	0.12	0.49	2000	N
Benzaldehyde	0 / 9	--	--	0 / 9	--	--	2 / 274	4.20	7.20	N/A	N
Benzo(a)anthracene	0 / 9	--	--	0 / 9	--	--	3 / 275	0.08	1.70	0.1	Y
Benzo(a)pyrene	0 / 9	--	--	0 / 9	--	--	8 / 275	0.14	4.30	0.1	Y
Benzo(b)fluoranthene	0 / 9	--	--	0 / 9	--	--	10 / 274	0.08	3.00	0.2	Y
Benzo(g,h,i)perylene	0 / 9	--	--	0 / 9	--	--	13 / 274	0.09	2.60	N/A	N
Benzo(k)fluoranthene	0 / 9	--	--	0 / 9	--	--	10 / 275	0.09	3.50	0.5	Y
Bis(2-ethylhexyl)phthalate	3 / 9	11	220	1 / 9	1.1	1.1	34 / 275	1.10	220	3	Y
Caprolactam	4 / 9	2	30	0 / 9	--	--	39 / 275	2.00	95	5000	N
Carbazole	0 / 9	--	--	0 / 9	--	--	1 / 305	0.54	0.54	N/A	N
Chrysene	0 / 9	--	--	0 / 9	--	--	4 / 305	0.09	1.70	5	N
Dibenzo(a,h)anthracene	0 / 9	--	--	0 / 9	--	--	31 / 273	0.07	5.50	0.3	Y
Diethylphthalate	0 / 9	--	--	0 / 9	--	--	2 / 275	1.70	41.00	6000	N
Dimethylphthalate	0 / 9	--	--	0 / 9	--	--	1 / 275	11.00	11.00	N/A	N
Fluoranthene	0 / 9	--	--	0 / 9	--	--	3 / 275	0.38	2.90	300	N
Fluorene	1 / 9	0.033	0.033	0 / 9	--	--	4 / 275	0.03	0.56	300	N
Indeno(1,2,3-cd)pyrene	0 / 9	--	--	0 / 9	--	--	60 / 274	0.08	3.10	0.2	Y
Naphthalene	1 / 9	0.03	0.03	0 / 9	--	--	64 / 275	0.03	14.00	300	N
Pentachlorophenol	0 / 9	--	--	0 / 9	--	--	2 / 213	0.08	0.09	0.3	N
Phenanthrene	1 / 9	0.38	0.38	0 / 9	--	--	4 / 275	0.13	1.50	N/A	N
Phenol	0 / 9	--	--	0 / 9	--	--	6 / 274	1.80	4.30	2000	N
Pyrene	0 / 9	--	--	1 / 9	0.14	0.14	5 / 275	0.14	2.30	200	N
Polychlorinated Biphenyls											
Aroclor-1016	0 / 9	--	--	0 / 9	--	--	16 / 275	0.06	30	NA	N
Aroclor-1248	0 / 9	--	--	0 / 9	--	--	21 / 268	0.12	7,300	NA	N
Aroclor-1254	0 / 9	--	--	0 / 9	--	--	71 / 273	0.03	5,600	NA	N
Total PCB Aroclors	0 / 9	--	--	0 / 9	--	--	69 / 265	0.03	12,900	0.5	Y
Total PCB congeners	Not Sampled			Not Sampled			21 / 22	0.000066	67,666	0.5	Y
Pesticides											
4,4'-DDD	0 / 9	--	,	0 / 9	--	--	15 / 90	0.09	1,800	0.1	Y
4,4'-DDE	0 / 9	--	--	0 / 9	--	--	17 / 272	0.09	1,600	0.1	Y
4,4'-DDT	0 / 9	--	--	0 / 9	--	--	26 / 271	0.13	4,000	0.1	Y

TABLE 5-2
DATA SUMMARY AND SELECTION OF CHEMICALS OF CONCERN (COC) IN ALL GROUNDWATER DATA
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

	December 2010 Groundwater (MW-23)			March 2011 Groundwater (MW-23)			Combined Data Summary			Selection of COCs	
	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Potential Cleanup Standard (µg/L)	Chemical Selected as COC? [Y/N]
Chemical											
alpha-BHC	0 / 9	--	--	0 / 9	--	--	13 / 275	0.09	68	0.02	Y
beta-BHC	0 / 9	--	--	0 / 9	--	--	9 / 275	0.06	680	0.04	Y
delta-BHC	0 / 9	--	--	0 / 9	--	--	5 / 216	0.18	880	N/A	N
Dieldrin	0 / 9	--	--	0 / 9	--	--	8 / 271	0.18	350	0.03	Y
Endosulfan II	0 / 9	--	--	0 / 9	--	--	7 / 275	0.17	240	40	Y
Endosulfan sulfate	0 / 9	--	--	0 / 9	--	--	7 / 275	0.08	75	40	Y
Endrin	0 / 9	--	--	0 / 9	--	--	1 / 271	0.19	0	2	N
Endrin aldehyde	0 / 9	--	--	0 / 9	--	--	6 / 275	0.11	150	N/A	N
gamma-BHC (Lindane)	0 / 9	--	--	0 / 9	--	--	6 / 275	0.07	14	0.03	Y
gamma-Chlordane	0 / 9	--	--	3 / 9	0.029	0.032	16 / 275	0.03	370	0.5	Y
Heptachlor	0 / 9	--	--	0 / 9	--	--	16 / 275	0.06	300	0.05	Y
Heptachlor epoxide	0 / 9	--	--	0 / 9	--	--	2 / 275	0.20	3	0.2	Y
Methoxychlor	0 / 9	--	--	0 / 9	--	--	5 / 275	0.22	400	40	Y
Dioxins											
2,3,7,8-TCDD TEQ	Not Sampled			Not Sampled			46 / 47	9E-10	0.217825	0.00001	Y
Inorganic Parameters											
Aluminum	9 / 9	12.1	82.8	0 / 0	--	--	84 / 265	12.10	6,210	50	Y
Antimony	8 / 9	0.32	0.94	0 / 9	--	--	13 / 275	0.32	3.50	6	N
Arsenic	9 / 9	4.1	17.9	9 / 9	9	28.3	275 / 275	0.68	829	3	Y
Barium	9 / 9	13.4	150	9 / 9	14.1	173	274 / 275	8.70	8,790	2,000	Y
Beryllium	0 / 9	--	--	0 / 9	--	--	5 / 275	0.07	0.45	1	N
Cadmium	0 / 9	--	--	0 / 9	--	--	24 / 275	0.04	16.80	4	Y
Calcium	9 / 9	50,900	288,000	9 / 9	42,300	244,000	275 / 275	29,500	597,000	N/A	N
Chromium	3 / 9	0.21	0.25	9 / 9	0.86	1.9	109 / 275	0.11	96.80	70	Y
Cobalt	9 / 9	0.053	0.36	0 / 9	--	--	79 / 275	0.04	6.60	100	N
Copper	9 / 9	0.73	8	9 / 9	0.46	2.4	203 / 274	0.36	123	1,300	N
Cyanide	0 / 9	--	--	9 / 9	12.4	29.5	28 / 275	1.00	29.50	100	N
Iron	8 / 9	11	75.5	8 / 9	11.9	77.7	85 / 275	11.00	8,520	300	Y
Lead	9 / 9	1.1	4.6	6 / 9	1.3	4.7	249 / 275	0.25	32.90	5	Y
Magnesium	9 / 9	26,600	81,700	9 / 9	23,600	76,100	275 / 275	1,160	135,000	N/A	N
Manganese	9 / 9	4	51	9 / 9	0.77	313	256 / 275	0.18	2,020	50	Y
Mercury	0 / 9	--	--	0 / 0	--	--	18 / 266	0.05	0.12	2	N
Nickel	9 / 9	0.19	0.59	9 / 9	1.1	4.7	208 / 256	0.19	18.35	100	N
Potassium	9 / 9	1,520	3,380	9 / 9	1,500	3,080	179 / 275	791	27,800	N/A	N
Selenium	8 / 9	0.3	0.74	0 / 9	--	--	49 / 275	0.16	2.20	40	N
Silver	0 / 9	--	--	0 / 9	--	--	12 / 275	0.02	0.12	40	N
Sodium	9 / 9	14,700	64,600	9 / 9	14,900	63,600	275 / 275	8,450	691,000	50,000	N
Vanadium	9 / 9	6	14.4	9 / 9	5.1	13	226 / 275	1.30	30.10	N/A	N
Zinc	9 / 9	6.5	12.3	9 / 9	5.2	35.1	275 / 275	2.50	187	2,000	N

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-01-01	ERT-01-02	ERT-01-03	ERT-01-04	ERT-01-05	ERT-01-06	ERT-01-07	ERT-01-08	ERT-02-01	ERT-02-02
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01	ERT-2-02
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105	112-117	135-140	25-35	40-50
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008
Aroclor-1242	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-02-03	ERT-02-04	ERT-02-05	ERT-02-06	ERT-02-07	ERT-03-01	ERT-03-02	ERT-03-03	ERT-03-04	ERT-03-05
LOCATION (WELL ID)		ERT-2-03	ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03	ERT-3-04	ERT-3-05
DEPTH (FT)		54-59	70-75	97-107	113-123	127-137	27-37	55-65	90-105	110-120	124-134
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008
Aroclor-1242	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
 ND = non-detect
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
 Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME		ERT-03-00	ERT-03-06	ERT-04-01	ERT-04-02	ERT-04-03	ERT-04-04	ERT-04-05	ERT-04-06	ERT-04-07	ERT-05-01
LOCATION (WELL ID)	Potential	DUP of ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01
DEPTH (FT)	Cleanup	124-134	138-148	27-37	46-56	61-66	83-88	91-106	111-116	128-138	24-34
MATRIX	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/4/2008
Aroclor-1242	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME		ERT-05-02	ERT-05-03	ERT-05-04	ERT-05-05	ERT-05-06	ERT-06-01	ERT-06-00	ERT-06-02	ERT-06-03	ERT-06-04
LOCATION (WELL ID)	Potential	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01	DUP of ERT-6-01	ERT-6-02	ERT-6-03	ERT-6-04
DEPTH (FT)	Cleanup	37-47	50-60	77-87	93-98	120-130	26-36	26-36	75-85	93-103	107-117
MATRIX	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008
Aroclor-1242	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-06-05	ERT-08-01	ERT-08-02	ERT-08-03	ERT-08-04	ERT-08-05	ERT-08-06	ERT-08-07	MW-01A	MW-02A
LOCATION (WELL ID)		ERT-6-05	ERT-8-01	ERT-8-02	ERT-8-03	ERT-8-04	ERT-8-05	ERT-8-06	ERT-8-07	MW-01A	MW-02A
DEPTH (FT)		128-138	17-27	31-41	44-54	57-62	87-97	107-112	135-145	24-49	24-49
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/6/2008	8/5/2008	8/5/2008	8/5/2008	8/12/2008	8/11/2008
Aroclor-1242	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.8 J
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.8 J

Notes:
 ND = non-detect
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
 Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	MW-03	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	MW-122
LOCATION (WELL ID)		MW-03	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	DUP of MW-12
DEPTH (FT)		17-32	25-45.5	29-44	43-58	42-57.5	29-54	37-52	34-59	35-60	35-60
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/11/2008	8/12/2008	8/11/2008	8/11/2008	8/12/2008	8/12/2008	8/12/2008	8/12/2008	8/11/2008	8/11/2008
Aroclor-1242	0.5	5	4.6 J	1.1 JN	ND	6.3 J	ND	64 J	ND	140 J	190
Aroclor-1254	0.5	1.8	5.2 J	2.7	ND	ND	ND	61 J	ND	12 J	20
PCBs (Aroclors)	0.5	6.8	9.8 J	3.8 JN	ND	6.3 J	ND	125 J	ND	152 J	210

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-01-01	ERT-01-02	ERT-01-03	ERT-01-04	ERT-01-05	ERT-01-06	ERT-01-07	ERT-01-08	ERT-02-01
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105	112-117	135-140	25-35
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	0.17 J	ND	ND	0.16 J	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	0.091 J	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	0.16 J	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	1.4	ND	ND	ND	ND	ND	ND	1.4	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	2.2 J	1.7	1.2	1.1	2.1	ND	ND	4	22 J
cis-1,3-Dichloropropene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	1.2	1.2	1.2	3.8	5.6	17	26	89	520
Tetrachloroethene	1	1.6	0.73	0.13 J	ND	ND	ND	ND	ND	20 J
Toluene	600	3	ND	ND	ND	ND	ND	ND	4	ND

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-01-01	ERT-01-02	ERT-01-03	ERT-01-04	ERT-01-05	ERT-01-06	ERT-01-07	ERT-01-08	ERT-02-01
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105	112-117	135-140	25-35
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	7.6	5	1.8	1.4	2.4	ND	ND	2.6	8300
Vinylchloride	1	ND	ND	0.1 J	0.11 J	0.21 J	ND	0.05 J	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-02-02	ERT-02-03	ERT-02-04	ERT-02-05	ERT-02-06	ERT-02-07	ERT-03-01	ERT-03-02	ERT-03-03
LOCATION (WELL ID)		ERT-2-02	ERT-2-03	ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03
DEPTH (FT)		40-50	54-59	70-75	97-107	113-123	127-137	27-37	55-65	90-105
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/6/2008	8/6/2008	8/6/2008
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	0.058 J	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	0.42 J	0.48 J	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	0.073 J	0.18 J	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	0.083 J	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	0.14 J	0.16 J	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	1.2	1.8	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	4.8 J	30 J	18 J	33 J	ND	ND	ND
2-Hexanone	300	ND	ND	90 J	340 J	170 J	340 J	ND	ND	ND
4-Methyl-2-pentanone	400	ND	ND	7.7 J	26 J	12 J	25 J	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	2.8 J	15 J	5.8 J	12 J	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	1.6	1.8	68	260	140	270	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	2	2.1	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	12 J	18	31	230	150	360	5.7 J	40	28
cis-1,3-Dichloropropene	NA	ND	ND	15 J	63 J	30 J	64 J	ND	ND	ND
Cyclohexane	N/A	ND	ND	11 J	46 J	22 J	50 J	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	46 J	5.2	ND	ND	ND	ND	0.35 J	1.4	3.5
Tetrachloroethene	1	5.2	2.4	ND	ND	ND	13 J	0.22 J	0.75	ND
Toluene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-02-02	ERT-02-03	ERT-02-04	ERT-02-05	ERT-02-06	ERT-02-07	ERT-03-01	ERT-03-02	ERT-03-03
LOCATION (WELL ID)		ERT-2-02	ERT-2-03	ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03
DEPTH (FT)		40-50	54-59	70-75	97-107	113-123	127-137	27-37	55-65	90-105
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/6/2008	8/6/2008	8/6/2008
trans-1,2-Dichloroethene	100	0.17 J	0.27 J	ND	ND	ND	ND	ND	0.39 J	ND
trans-1,3-Dichloropropene	N/A	ND	ND	11 J	40 J	18 J	48 J	ND	ND	ND
Trichloroethene	1	2700	1900	650	3300	2400	3000	18	100	85
Vinylchloride	1	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-03-04	ERT-03-05	ERT-03-00	ERT-03-06	ERT-04-01	ERT-04-02	ERT-04-03	ERT-04-04	ERT-04-05
LOCATION (WELL ID)		ERT-3-04	ERT-3-05	DUP of ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04	ERT-4-05
DEPTH (FT)		110-120	124-134	124-134	138-148	27-37	46-56	61-66	83-88	91-106
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008
1,1,1-Trichloroethane	30	ND	0.58 J	0.61 J	0.59 J	0.051 J	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	1.6 J	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	14	13	13	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	0.53	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	160	540	540	690	14 J	8.1 J	17	58 J	57 J
cis-1,3-Dichloropropene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	2 J	1.6 J	1.4 J	1.3 J	1.1 J	ND	0.48 J	0.68 J	0.73 J
Tetrachloroethene	1	4.5 J	6.9	7.1	8.3	0.56 J	ND	0.51	1.5 J	1.4 J
Toluene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-03-04	ERT-03-05	ERT-03-00	ERT-03-06	ERT-04-01	ERT-04-02	ERT-04-03	ERT-04-04	ERT-04-05
LOCATION (WELL ID)		ERT-3-04	ERT-3-05	DUP of ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04	ERT-4-05
DEPTH (FT)		110-120	124-134	124-134	138-148	27-37	46-56	61-66	83-88	91-106
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008
trans-1,2-Dichloroethene	100	2.5 J	3 J	3.3 J	3.9 J	0.16 J	ND	0.11 J	ND	ND
trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	440	1700	1600	2000	82	49	93	480	960
Vinylchloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-04-06	ERT-04-07	ERT-05-01	ERT-05-02	ERT-05-03	ERT-05-04	ERT-05-05	ERT-05-06	ERT-06-01
LOCATION (WELL ID)		ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01
DEPTH (FT)		111-116	128-138	24-34	37-47	50-60	77-87	93-98	120-130	26-36
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/6/2008	8/6/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/5/2008
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	0.059 J	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	0.1 J	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J
2-Hexanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	12 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	0.62
Carbon Tetrachloride	1	ND	ND	ND	0.2 J	0.68	0.73	0.75	0.31 J	0.059 J
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	ND	ND	3.7
Chloromethane	N/A	ND	ND	ND	ND	ND	0.52	ND	ND	ND
cis-1,2-Dichloroethene	70	140	87	ND	ND	ND	0.11 J	0.22 J	1.5	0.059 J
cis-1,3-Dichloropropene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	0.095 J
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	0.96 J	0.72 J	1.5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	2.7 J	2.2 J	ND	ND	ND	ND	ND	0.2 J	ND
Toluene	600	ND	ND	ND	ND	ND	ND	ND	ND	6.7

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-04-06	ERT-04-07	ERT-05-01	ERT-05-02	ERT-05-03	ERT-05-04	ERT-05-05	ERT-05-06	ERT-06-01
LOCATION (WELL ID)		ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01
DEPTH (FT)		111-116	128-138	24-34	37-47	50-60	77-87	93-98	120-130	26-36
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/6/2008	8/6/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/5/2008
trans-1,2-Dichloroethene	100	1.2 J	0.71 J	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	420	650	ND	0.28 J	0.92	2.9	4.8	34	1.2
Vinylchloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-06-00	ERT-06-02	ERT-06-03	ERT-06-04	ERT-06-05	ERT-08-01	ERT-08-02	ERT-08-03	ERT-08-04
LOCATION (WELL ID)		DUP of ERT-6-01	ERT-6-02	ERT-6-03	ERT-6-04	ERT-6-05	ERT-8-01	ERT-8-02	ERT-8-03	ERT-8-04
DEPTH (FT)		26-36	75-85	93-103	107-117	128-138	17-27	31-41	44-54	57-62
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/6/2008
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	0.17 J	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	0.67	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	ND	ND	ND	0.12 J	0.25 J	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	4	1	ND	0.82	ND	ND	ND	ND	0.84
Chloromethane	N/A	ND	ND	ND	ND	0.6	ND	ND	ND	0.56
cis-1,2-Dichloroethene	70	0.068 J	0.1 J	ND	0.55	1.6	ND	ND	ND	ND
cis-1,3-Dichloropropene	NA	0.26 J	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	0.079 J	0.21 J	ND	ND	ND	ND
Toluene	600	7.6	0.99	ND	ND	ND	0.66	ND	ND	1.1 J

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-06-00	ERT-06-02	ERT-06-03	ERT-06-04	ERT-06-05	ERT-08-01	ERT-08-02	ERT-08-03	ERT-08-04
LOCATION (WELL ID)		DUP of ERT-6-01	ERT-6-02	ERT-6-03	ERT-6-04	ERT-6-05	ERT-8-01	ERT-8-02	ERT-8-03	ERT-8-04
DEPTH (FT)		26-36	75-85	93-103	107-117	128-138	17-27	31-41	44-54	57-62
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/6/2008
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	1.2	2.5	1.7	14	37	ND	ND	ND	ND
Vinylchloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-08-05	ERT-08-06	ERT-08-07	MW-01A	MW-02A	MW-03	MW-05	MW-06	MW-07
LOCATION (WELL ID)		ERT-8-05	ERT-8-06	ERT-8-07	MW-01A	MW-02A	MW-03	MW-05	MW-06	MW-07
DEPTH (FT)		87-97	107-112	135-145	24-49	24-49	17-32	25-45.5	29-44	43-58
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/5/2008	8/5/2008	8/5/2008	8/12/2008	8/11/2008	8/11/2008	8/12/2008	8/11/2008	8/11/2008
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	21	ND	8.3 J	5.6 J
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	44	2.6	4.1 J	22
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	160	11	4.3 J	72
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	7.9 J	0.14 J	ND	21
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	12 J	0.1 J	1 J	18
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	15 J	0.13 J	ND	33
2-Butanone	300	ND	0.77 J	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	300	ND	ND	ND	ND	ND	ND	ND	ND	34 J
4-Methyl-2-pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	2.9 J
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	ND	ND	0.13 J	ND	ND	ND	ND	ND	24
Chlorobenzene	50	ND	ND	ND	ND	ND	13 J	ND	1 J	52
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	9.7 J
Chloroform	70	ND	1.9	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	0.75 J	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	ND	ND	ND	1700	2.6	5000	12	3400	1400
cis-1,3-Dichloropropene	NA	ND	ND	ND	ND	ND	ND	ND	ND	6 J
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	3.7 J
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	0.095 J	ND	ND	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	15 J	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	0.12 J	ND	0.068 J	ND	2.5	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	ND	42	5	1100	1.5 J
Toluene	600	ND	37	9 J	ND	ND	ND	ND	ND	ND

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-08-05	ERT-08-06	ERT-08-07	MW-01A	MW-02A	MW-03	MW-05	MW-06	MW-07
LOCATION (WELL ID)		ERT-8-05	ERT-8-06	ERT-8-07	MW-01A	MW-02A	MW-03	MW-05	MW-06	MW-07
DEPTH (FT)		87-97	107-112	135-145	24-49	24-49	17-32	25-45.5	29-44	43-58
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/5/2008	8/5/2008	8/5/2008	8/12/2008	8/11/2008	8/11/2008	8/12/2008	8/11/2008	8/11/2008
trans-1,2-Dichloroethene	100	ND	ND	ND	12 J	ND	67	0.24 J	15	7.1 J
trans-1,3-Dichloropropene	N/A	ND	ND	D	ND	ND	ND	ND	ND	4.3 J
Trichloroethene	1	ND	ND	0.45 J	1000	0.68	9900	46 J	4600	3400
Vinylchloride	1	ND	ND	ND	62	0.63	44	0.55	17	14

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	MW-08	MW-09	MW-10	MW-11	MW-12	MW-122
LOCATION (WELL ID)		MW-08	MW-09	MW-10	MW-11	MW-12	DUP of MW-12
DEPTH (FT)		42-57.5	29-54	37-52	34-59	35-60	35-60
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/12/2008	8/12/2008	8/12/2008	8/12/2008	8/11/2008	8/11/2008
1,1,1-Trichloroethane	30	ND	0.099 J	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	2.3	ND	130 J	34	37
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	2.1	ND	ND	24	28
1,2,3-Trichlorobenzene	N/A	42 J	2.3	ND	150 J	480	460
1,2,4-Trichlorobenzene	9	140	2.9	ND	600	1500	1500
1,2-Dichlorobenzene	600	ND	3.5	ND	ND	59	65
1,3-Dichlorobenzene	600	ND	4.9	ND	ND	75	87
1,4-Dichlorobenzene	75	ND	75	ND	42 J	110	120
2-Butanone	300	ND	ND	ND	ND	ND	ND
2-Hexanone	300	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	400	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	1.3 J	ND	ND	ND
Benzene	1	ND	1	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	110	ND	ND	15	17
Chloroethane	5	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	5600	770 J	ND	310000	14000	14000
cis-1,3-Dichloropropene	NA	ND	ND	ND	ND	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	2.1 J
Methylcyclohexane	N/A	ND	ND	ND	ND	15	16
Methyl tert-butyl ether	70	ND	0.23 J	ND	ND	ND	ND
Tetrachloroethene	1	8 J	250	0.42 J	61 J	21	24
Toluene	600	ND	ND	ND	ND	ND	ND

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	MW-08	MW-09	MW-10	MW-11	MW-12	MW-122
LOCATION (WELL ID)		MW-08	MW-09	MW-10	MW-11	MW-12	DUP of MW-12
DEPTH (FT)		42-57.5	29-54	37-52	34-59	35-60	35-60
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/12/2008	8/12/2008	8/12/2008	8/12/2008	8/11/2008	8/11/2008
trans-1,2-Dichloroethene	100	31 J	7.1	ND	1500	68	81
trans-1,3-Dichloropropene	N/A	ND	ND	ND	ND	ND	ND
Trichloroethene	1	17000	170	1.8	160000	21000	21000
Vinylchloride	1	ND	5.5	ND	890	78	91

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-01-01	ERT-01-02	ERT-01-03	ERT-01-04	ERT-01-05	ERT-01-06	ERT-01-07	ERT-01-08	ERT-02-01	ERT-02-02
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01	ERT-2-02
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105	112-117	135-140	25-35	40-50
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis (2-ethylhexyl) phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	13	ND	ND	ND	ND	ND	ND	3.3 J	1.1 J	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-02-03	ERT-02-04	ERT-02-05	ERT-02-06	ERT-02-07	ERT-03-01	ERT-03-02	ERT-03-03	ERT-03-04	ERT-03-05
LOCATION (WELL ID)		ERT-2-03	ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03	ERT-3-04	ERT-3-05
DEPTH (FT)		54-59	70-75	97-107	113-123	127-137	27-37	55-65	90-105	110-120	124-134
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis (2-ethylhexyl) phthalate	3	ND	ND	ND	ND	ND	0.54 J	ND	ND	ND	ND
Caprolactam	5000	1.4 J	0.96 J	ND	0.97 J	0.98 J	1.9 J	ND	ND	2 J	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	0.51 J	ND	ND	ND	ND

Notes:

ND = non-detect

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TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-03-00	ERT-03-06	ERT-04-01	ERT-04-02	ERT-04-03	ERT-04-04	ERT-04-05	ERT-04-06	ERT-04-07
LOCATION (WELL ID)		DUP of ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07
DEPTH (FT)		124-134	138-148	27-37	46-56	61-66	83-88	91-106	111-116	128-138
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis (2-ethylhexyl) phthalate	3	ND	ND	ND	ND	ND	ND	0.66 J	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-05-01	ERT-05-02	ERT-05-03	ERT-05-04	ERT-05-05	ERT-05-06	ERT-06-01	ERT-06-00	ERT-06-02
LOCATION (WELL ID)		ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01	DUP of ERT-6-01	ERT-6-02
DEPTH (FT)		24-34	37-47	50-60	77-87	93-98	120-130	26-36	26-36	75-85
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/5/2008	8/5/2008	8/5/2008
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis (2-ethylhexyl) phthalate	3	ND	ND	ND	ND	ND	ND	1.2 J	2.6 J	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	30	67	7
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-06-03	ERT-06-04	ERT-06-05	ERT-08-01	ERT-08-02	ERT-08-03	ERT-08-04	ERT-08-05	ERT-08-06	ERT-08-07
LOCATION (WELL ID)		ERT-6-03	ERT-6-04	ERT-6-05	ERT-8-01	ERT-8-02	ERT-8-03	ERT-8-04	ERT-8-05	ERT-8-06	ERT-8-07
DEPTH (FT)		93-103	107-117	128-138	17-27	31-41	44-54	57-62	87-97	107-112	135-145
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/6/2008	8/5/2008	8/5/2008	8/5/2008
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis (2-ethylhexyl) phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	1.1 J	ND	ND	ND	ND	4.1 J	ND	1.6 J	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	MW-01A	MW-02A	MW-03	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11
LOCATION (WELL ID)		MW-01A	MW-02A	MW-03	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11
DEPTH (FT)		24-49	24-49	17-32	25-45.5	29-44	43-58	42-57.5	29-54	37-52	34-59
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/12/2008	8/11/2008	8/11/2008	8/12/2008	8/11/2008	8/11/2008	8/12/2008	8/12/2008	8/12/2008	8/12/2008
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8 J
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis (2-ethylhexyl) phthalate	3	ND	0.71 J	0.93 J	ND	2.6 J	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.67 J
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.3
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS-USEPA ERT AUGUST 2008 SAMPLING EVENT
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	MW-12	MW-122
LOCATION (WELL ID)		MW-12	DUP of MW-12
DEPTH (FT)		35-60	35-60
MATRIX		Groundwater	Groundwater
UNITS		ug/L	ug/L
SAMPLE DATE		8/11/2008	8/11/2008
1,1'-Biphenyl	400	ND	1.9 J
1,2,4,5-Tetrachlorobenzene	N/A	ND	0.89 J
Benzo (a) anthracene	0.1	ND	0.52 J
Benzo (a) pyrene	0.1	1.2 J	0.72 J
Benzo (b) fluoranthene	0.2	1.8 J	1.1 J
Benzo (k) fluoranthene	0.5	ND	0.41 J
Bis (2-ethylhexyl) phthalate	3	1.1 J	0.73 J
Caprolactam	5000	ND	ND
Carbazole	N/A	ND	ND
Chrysene	5	ND	0.6 J
Fluoranthene	300	1.4 J	0.85 J
Naphthalene	300	ND	ND
Phenol	2000	ND	ND
Pyrene	200	1.3 J	0.75 J

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-01-01	ERT-01-02	ERT-01-03	ERT-01-04	ERT-01-05	ERT-01-06	ERT-01-07	ERT-01-08	ERT-02-01	ERT-02-02
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01	ERT-2-02
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105	112-117	135-140	25-35	40-50
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008
4,4'-DDD	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC(Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-02-03	ERT-02-04	ERT-02-05	ERT-02-06	ERT-02-07	ERT-03-01	ERT-03-02	ERT-03-03	ERT-03-04	ERT-03-05
LOCATION (WELL ID)		ERT-2-03	ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03	ERT-3-04	ERT-3-05
DEPTH (FT)		54-59	70-75	97-107	113-123	127-137	27-37	55-65	90-105	110-120	124-134
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008
4,4'-DDD	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	0.016 J	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0054 J
Endosulfan I	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0054 J
Endosulfan Sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC(Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	0.007 J	ND	ND	ND	0.0051 J	ND	ND	ND	ND	ND

Notes:

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R = rejected

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-03-00	ERT-03-06	ERT-04-01	ERT-04-02	ERT-04-03	ERT-04-04	ERT-04-05	ERT-04-06	ERT-04-07
LOCATION (WELL ID)		DUP of ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07
DEPTH (FT)		124-134	138-148	27-37	46-56	61-66	83-88	91-106	111-116	128-138
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008
4,4'-DDD	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	R	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC(Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-05-01	ERT-05-02	ERT-05-03	ERT-05-04	ERT-05-05	ERT-05-06	ERT-06-01	ERT-06-00	ERT-06-02
LOCATION (WELL ID)		ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01	DUP of ERT-6-01	ERT-6-02
DEPTH (FT)		24-34	37-47	50-60	77-87	93-98	120-130	26-36	26-36	75-85
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/5/2008	8/5/2008	8/5/2008
4,4'-DDD	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC(Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-06-03	ERT-06-04	ERT-06-05	ERT-08-01	ERT-08-02	ERT-08-03	ERT-08-04	ERT-08-05	ERT-08-06	ERT-08-07
LOCATION (WELL ID)		ERT-6-03	ERT-6-04	ERT-6-05	ERT-8-01	ERT-8-02	ERT-8-03	ERT-8-04	ERT-8-05	ERT-8-06	ERT-8-07
DEPTH (FT)		93-103	107-117	128-138	17-27	31-41	44-54	57-62	87-97	107-112	135-145
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/6/2008	8/5/2008	8/5/2008	8/5/2008
4,4'-DDD	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	0.68	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.04	ND	0.36	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	0.062	0.052 J	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	0.7 J	ND	0.0075 J	0.15	0.011 J	ND	ND	0.011 J	ND
Endosulfan (alpha + beta)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	0.64 J	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	N/A	ND	0.051 J	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	ND	0.032 J	ND	ND	0.017 J	ND	ND	ND	ND	ND
gamma-BHC(Lindane)	0.03	ND	0.31 J	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	MW-01A	MW-02A	MW-03	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11
LOCATION (WELL ID)		MW-01A	MW-02A	MW-03	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11
DEPTH (FT)		24-49	24-49	17-32	25-45.5	29-44	43-58	42-57.5	29-54	37-52	34-59
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/12/2008	8/11/2008	8/11/2008	8/12/2008	8/11/2008	8/11/2008	8/12/2008	8/12/2008	8/12/2008	8/12/2008
4,4'-DDD	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	R
4,4'-DDE	0.1	ND	ND	0.042 J	ND	ND	ND	0.0071 J	ND	ND	4.1 JN
4,4'-DDT	0.1	0.97 J	0.31 J	0.16 JN	0.092 J	0.26 J	ND	ND	ND	ND	14 JN
Aldrin	0.04	0.0066 J	ND	ND	ND	ND	ND	ND	ND	ND	R
alpha-Chlordane	0.5	ND	ND	0.074	ND	ND	ND	ND	ND	ND	R
beta-BHC	0.04	ND	ND	ND	ND	ND	0.16 JN	ND	ND	ND	R
Chlordane (alpha + gamma)	0.5	0.0072 J	0.082 J	R	0.066 J	ND	ND	0.0098 J	ND	ND	R
delta-BHC	N/A	ND	0.0055 J	ND	ND	0.0076 J	ND	0.091	0.0057 J	0.041 J	R
Dieldrin	0.03	ND	ND	0.016 J	0.017 J	0.019 J	ND	ND	ND	ND	0.91 J
Endosulfan (alpha + beta)	40	0.0098 J	ND	ND	ND	ND	ND	ND	ND	ND	R
Endosulfan I	40	0.0098 J	ND	ND	ND	ND	ND	ND	ND	ND	R
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	R
Endosulfan Sulfate	40	ND	ND	ND	0.028 J	ND	ND	ND	ND	0.0057 J	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	R
Endrin Aldehyde	N/A	ND	0.053 J	ND	0.014 J	ND	ND	ND	ND	ND	ND
Endrin Ketone	N/A	0.012 J	ND	ND	0.0055 J	ND	ND	ND	ND	ND	ND
gamma-BHC(Lindane)	0.03	ND	ND	ND	ND	0.0082 J	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	0.0072 J	0.082 J	R	0.066 J	ND	ND	0.0098 J	ND	ND	5.2
Heptachlor	0.05	ND	ND	R	ND	0.013 J	ND	R	0.0084 J	ND	R
Heptachlor Epoxide	0.2	0.012 J	ND	0.095	R	0.047 J	ND	0.026 J	ND	ND	6.4

Notes:

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R = rejected

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Shading indicates exceedance of Potential Cleanup Standard.

R2-0002210

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	MW-12	MW-122
LOCATION (WELL ID)		MW-12	DUP of MW-12
DEPTH (FT)		35-60	35-60
MATRIX		Groundwater	Groundwater
UNITS		ug/L	ug/L
SAMPLE DATE		8/11/2008	8/11/2008
4,4'-DDD	0.1	ND	ND
4,4'-DDE	0.1	0.54 J	0.32 JN
4,4'-DDT	0.1	0.4 J	0.52 J
Aldrin	0.04	R	R
alpha-Chlordane	0.5	ND	ND
beta-BHC	0.04	1.5 J	1.6 J
Chlordane (alpha + gamma)	0.5	0.3 JN	0.37 JN
delta-BHC	N/A	R	R
Dieldrin	0.03	0.05 J	0.058 J
Endosulfan (alpha + beta)	40	ND	ND
Endosulfan I	40	ND	ND
Endosulfan II	40	ND	ND
Endosulfan Sulfate	40	ND	ND
Endrin	2	ND	ND
Endrin Aldehyde	N/A	0.058 J	0.074 J
Endrin Ketone	N/A	ND	ND
gamma-BHC(Lindane)	0.03	0.46 JN	0.52 JN
gamma-Chlordane	0.5	0.3 JN	0.37 JN
Heptachlor	0.05	R	R
Heptachlor Epoxide	0.2	1 J	1.4

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-01-01	ERT-01-02	ERT-01-03	ERT-01-04	ERT-01-05	ERT-01-06	ERT-01-07	ERT-01-08	ERT-02-01	ERT-02-02
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01	ERT-2-02
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105	112-117	135-140	25-35	40-50
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008
ARSENIC	3	107	3.1	10.2	10.7	9.7	17	8.6	84.6	76.8	32.7
BARIUM	2000	151	80.3	88.6	90.6	105	78.3	87.6	111	6950	2060
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	70	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND
COPPER	1300	10.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
LEAD	5	3.9	2.2	2.4	2.1	4.2	3.4	3	3	1.1	1.9
MANGANESE	50	178 J	22.7 J	23.2 J	81.5 J	253 J	9.1 J	33.9 J	44.8 J	711 J	63.6 J
NICKEL	100	3.6	1.3	1.2	1.5	1.6	1.5	1.2	2.1	8.5	3.9
SILVER	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	N/A	12	5.1	5.9	5.5	6.2	5.1	5	ND	ND	ND
ZINC	2000	15.1	10.1	9.8	5.7	10.5	9.4	8.9	9.4	9.7	7.7

Notes:
 ND = non-detect
 R = rejected
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
 Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-02-03	ERT-02-04	ERT-02-05	ERT-02-06	ERT-02-07	ERT-03-01	ERT-03-02	ERT-03-03	ERT-03-04	ERT-03-05
LOCATION (WELL ID)		ERT-2-03	ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03	ERT-3-04	ERT-3-05
DEPTH (FT)		54-59	70-75	97-107	113-123	127-137	27-37	55-65	90-105		124-134
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Not Sampled	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		ug/L
SAMPLE DATE		8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/7/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008
ARSENIC	3	69.8	33.7	11.6	54.8	33.1	15.3	27.2	5.8		8.7 J
BARIUM	2000	884	635	455	309	116	443	263	162		49
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND		ND
CHROMIUM	70	ND	ND	ND	ND	ND	ND	ND	ND		ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND		ND
COPPER	1300	ND	ND	ND	ND	ND	2.7	ND	ND		ND
LEAD	5	5.3	2.5	2.1	2.5	ND	2.7	1.8	1.3		2.2
MANGANESE	50	9.9 J	4.3 J	2.2 J	22.2 J	5.5 J	275	24	20.5		1.1
NICKEL	100	2	1.5	1.5	1.4	1.6	4	1.5	1.7		1.3
SILVER	40	ND	ND	ND	ND	ND	ND	ND	ND		ND
VANADIUM	N/A	ND	5.1	5.8	7	8.8	ND	10.2	10.8		10.6
ZINC	2000	18.7	5.5	7.9	5.3	5.1	13.6	11.4	8.5		14.8 J

Notes:
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 R = rejected
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
 Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-03-00	ERT-03-06	ERT-04-01	ERT-04-02	ERT-04-03	ERT-04-04	ERT-04-05	ERT-04-06	ERT-04-07	ERT-05-01
LOCATION (WELL ID)		DUP of ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01
DEPTH (FT)		124-134	138-148	27-37	46-56	61-66	83-88	91-106	111-116	128-138	24-34
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/6/2008	8/4/2008
ARSENIC	3	6.5 J	8.9	2.4	2.1	2.9	7	3.6	8.7	6.9	4.5
BARIUM	2000	57.5	30.9	97.8	74.3	84.9	48.9	50	53.1	123	163
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	1.3 J	ND	0.55 J	0.42 J	1.7 J	0.34 J	3.4	3.4	1.3 J	ND
LEAD	5	1.9	1.6	3.4	5.3	2.9	1.6	3.2	4.6	1.7	2.2
MANGANESE	50	ND	ND	296	2.6	3.8	2.1	2	ND	ND	23.8
NICKEL	100	1.1	1.4	1.8	1.6	2	1.1	1.1	ND	ND	2 J
SILVER	40	ND	ND	ND	0.06 J	0.09 J	0.11 J	0.06 J	ND	ND	ND
VANADIUM	N/A	10	12.1	8.2	6.3	5.5	8.5	8.8	9.4	10.6	ND
ZINC	2000	11.4 J	13.3	6.5	7.6	10.7	8.1	6.6	10.8	8.8	6.9

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-05-02	ERT-05-03	ERT-05-04	ERT-05-05	ERT-05-06	ERT-06-01	ERT-06-00	ERT-06-02	ERT-06-03	ERT-06-04
LOCATION (WELL ID)		ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01	DUP of ERT-6-01	ERT-6-02	ERT-6-03	ERT-6-04
DEPTH (FT)		37-47	50-60	77-87	93-98	120-130	26-36	26-36	75-85	93-103	107-117
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/4/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/5/2008
ARSENIC	3	2.2	3.2	4.4	4.4	4.1	195	93.4	62.8	3.9	20.7
BARIUM	2000	165	117	96.8	92.5	66.4	611	670	264	186	163
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	ND	3.3	ND	2.6	ND	2.5	4.1	ND	ND	ND
LEAD	5	1.5	2	1.4	5.4	2	1.6	2.2	2.8	1.9	1.3
MANGANESE	50	4.8	ND	ND	ND	ND	178	116	6.2	2.6	2.9
NICKEL	100	1.7 J	1.2 J	1.2 J	1.2 J	2.1 J	2.8 J	2.7 J	1.6 J	1.7 J	1.5 J
SILVER	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	N/A	ND	6.3	6.2	6.9	8.6	ND	5.8	6	5.6	6.3
ZINC	2000	10.4	8.3	10.7	18.4	12.1	36	45.8	14	13.5	11.6

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	ERT-06-05	ERT-08-01	ERT-08-02	ERT-08-03	ERT-08-04	ERT-08-05	ERT-08-06	ERT-08-07	MW-01A	MW-02A
LOCATION (WELL ID)		ERT-6-05	ERT-8-01	ERT-8-02	ERT-8-03	ERT-8-04	ERT-8-05	ERT-8-06	ERT-8-07	MW-01A	MW-02A
DEPTH (FT)		128-138	17-27	31-41	44-54		87-97	107-112	135-145	24-49	24-49
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Not Sampled	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/5/2008	8/5/2008	8/5/2008	8/5/2008	8/6/2008	8/5/2008	8/5/2008	8/5/2008	8/12/2008	8/11/2008
ARSENIC	3	13.2	21.5	1.6	2.6		7	89.5	24.6	1.1	1.2
BARIUM	2000	81.4	977	1190	882		249	179	79.2	771	409
CADMIUM	4	ND	ND	ND	ND		ND	ND	ND	ND	ND
CHROMIUM	70	ND	3.2	ND	ND		ND	ND	ND	3.6	10.1
COBALT	100	ND	1.8	ND	ND		ND	ND	ND	ND	ND
COPPER	1300	4.5	4	ND	ND		ND	ND	ND	ND	5.8
LEAD	5	1.8	4.6	2.2	2.3		1.8	1	1.1	ND	2.3
MANGANESE	50	2.8	144	1.4	3.9		2.4	21.9	12.2	102	686
NICKEL	100	1.4 J	5.9 J	2.5 J	2.1 J		ND	1.2 J	1.2 J	4.5	11.2
SILVER	40	ND	ND	ND	ND		ND	ND	ND	ND	ND
VANADIUM	N/A	8.5	7.4	ND	ND		ND	8.2	6.2	ND	ND
ZINC	2000	6.3	18.5	9.2	7.8		6.7	10	7.4	R	16.6

Notes:
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TABLE 5-3
GROUNDWATER DETECTIONS- USEPA ERT AUGUST 2008 SAMPLING EVENT
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	MW-03	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	MW-122
LOCATION (WELL ID)		MW-03	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	DUP of MW-12
DEPTH (FT)		17-32	25-45.5	29-44	43-58	42-57.5	29-54	37-52	34-59	35-60	35-60
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		8/11/2008	8/12/2008	8/11/2008	8/11/2008	8/12/2008	8/12/2008	8/12/2008	8/12/2008	8/11/2008	8/11/2008
ARSENIC	3	1.4	4.7	1.4	2	1.2	2.2	2	1.4	1.2	1.2
BARIUM	2000	101	125	95.5	1200	584	109	300	2380	342	334
CADMIUM	4	ND	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	70	2.2	1180	6.6	5.9	21.6	6.5	21	23.2	6.1	4.2
COBALT	100	ND	1.6 J	1.6 J	16.7 J	1.9 J	ND	ND	1.3 J	1.9 J	1.5 J
COPPER	1300	5	33.8 J	12.1	3.2	R	63.4 J	R	12.1 J	11.8	13.1
LEAD	5	3.5	ND	5.1	ND	1.2	ND	ND	1.2	5.9	6.8
MANGANESE	50	163	1300	94	55.3	85.1	76.2 J	105	1230	334	325
NICKEL	100	6	43.2	9.9	10	16.9	6.3	11.1	20	9.1	7.6
SILVER	40	ND	ND	ND	1.1	ND	0.11 J	0.07 J	ND	ND	ND
VANADIUM	N/A	ND	41.2	6.9	6.4	9.6	ND	6.5	ND	9.5	7.6
ZINC	2000	13.8	19.8 J	62.7	17.3	21.6 J	R	R	R	68.1 J	49.2 J

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality

Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14023.30PCB	CDEMDMW14024.80PCB	CDEMDMW14026.40PCB	CDEMDMW14027.65PCB	CDEMDMW14030.60PCB
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	23.3	24.8	26.4	27.65	30.6
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/5/2009	2/5/2009	2/5/2009	2/5/2009	2/5/2009
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	1500	8.2	5.8 J
Aroclor-1254	230	1000	3400	14	12
Aroclor-1260	ND	ND	ND	ND	ND
PCBs (Aroclors)	230	1000	4900	22.2	17.8 J

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14033.00PCB	CDEMDMW14036.90PCB	CDEMDMW14038.50PCB	CDEMDMW14040.80PCB	CDEMDMW14043.20PCB
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	33	36.9	38.5	40.8	43.2
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/5/2009	2/6/2009	2/6/2009	2/6/2009	2/6/2009
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1248	12	4 J	5.1 J	6.8	3.8 J
Aroclor-1254	14	3.3 J	6.7	8.5	8.9
Aroclor-1260	ND	ND	ND	ND	ND
PCBs (Aroclors)	26	7.3 J	11.8 J	15.3	12.7 J

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14044.40PCB	CDEMDMW14046.50PCB	CDEMDMW14047.60PCB	CDEMDMW14050.65PCB	CDEMDMW14052.60PCB
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	44.4	46.5	47.6	50.65	52.6
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/6/2009	2/6/2009	2/6/2009	2/6/2009	2/6/2009
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1248	ND	2.9 J	5 J	2.9 J	ND
Aroclor-1254	1.7 J	7.9	6.5	5.5 J	3.3 J
Aroclor-1260	ND	ND	ND	ND	ND
PCBs (Aroclors)	1.7 J	10.8 J	11.5 J	8.4 J	3.3 J

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14055.00PCB	CDEMDMW14057.00PCB	CDEMDMW14058.20PCB	CDEMDMW14059.80PCB	CDEMDMW14FD001PCB
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	55	57	58.2	59.8	DUP of 59.80
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/6/2009	2/6/2009	2/6/2009	2/6/2009	2/6/2009
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1248	11	9.3	20	22	41
Aroclor-1254	16	20	26	49	85
Aroclor-1260	ND	ND	ND	ND	10
PCBs (Aroclors)	27	29.3	46	71	136

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14061.50PCB	CDEMDMW14067.80PCB	CDEMDMW14082.50PCB	CDEMDMW14101.00PCB	CDEMDMW14168.90PCB
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	61.5	67.8	82.5	101	168.9
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/6/2009	2/6/2009	2/25/2009	2/25/2009	2/27/2009
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1248	16000	ND	ND	ND	ND
Aroclor-1254	34000	6.8	ND	ND	2.7 J
Aroclor-1260	ND	ND	25	10 J	ND
PCBs (Aroclors)	50000	6.8	25	10 J	2.7 J

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14170.70PCB	CDEMDMW14177.40PCB	CDEMDMW14FD004PCB	CDEMDMW14193.60PCB	CDEMDMW14199.30PCB
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	170.7	177.4	DUP of 181.80	193.6	199.3
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/27/2009	2/27/2009	2/27/2009	3/2/2009	3/2/2009
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND
Aroclor-1254	1.9 J	1.7 J	0.83 J	2.2 J	1.4 J
Aroclor-1260	ND	ND	ND	ND	ND
PCBs (Aroclors)	1.9 J	1.7 J	0.83 J	2.2 J	1.4 J

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14205.00PCB	CDEMDMW14206.60PCB	CDEMDMW16048.20PCB
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-16-00
SAMPLE DEPTH (FT)	205	206.6	48.2
MATRIX	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg
SAMPLE DATE	3/2/2009	3/2/2009	1/23/2009
Aroclor-1016	ND	ND	ND
Aroclor-1248	ND	ND	2.8 J
Aroclor-1254	1.8 J	0.71 J	ND
Aroclor-1260	ND	ND	ND
PCBs (Aroclors)	1.8 J	0.71 J	2.8 J

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14023.30VOC	CDEMDMW14024.80VOC	CDEMDMW14026.40VOC	CDEMDMW14027.65VOC	CDEMDMW14030.60VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	23.3	24.8	26.4	27.65	30.6
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/5/2009	2/5/2009	2/5/2009	2/5/2009	2/5/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	9.1	3.1 J	1.8 J	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	1	ND	ND
cis-1,2-Dichloroethene	17000	7700	9600	10000	3900
Tetrachloroethene	3.3	1	1.4	1.3	ND
trans-1,2-Dichloroethene	39	12	32	23	14
Trichloroethene	2100	790	3300	2500	710

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14033.00VOC	CDEMDMW14035.70VOC	CDEMDMW14036.90VOC	CDEMDMW14038.50VOC	CDEMDMW14040.80VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	33	35.7	36.9	38.5	40.8
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/5/2009	2/6/2009	2/6/2009	2/6/2009	2/6/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	14	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	22000	6400	7200	5300	4100
Tetrachloroethene	4.7	1.2	1.6	1.1	1.4
trans-1,2-Dichloroethene	82	23	21	16	12
Trichloroethene	7700	4400	5700	3900	4200

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14043.20VOC	CDEMDMW14044.40VOC	CDEMDMW14046.50VOC	CDEMDMW14047.60VOC	CDEMDMW14050.65VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	43.2	44.4	46.5	47.6	50.65
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/6/2009	2/6/2009	2/6/2009	2/6/2009	2/6/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2400	3400	920	3300	270
Tetrachloroethene	1.3	2.6	ND	1.4	ND
trans-1,2-Dichloroethene	5.5 J	9.9	ND	5.5 J	ND
Trichloroethene	5000	3500	3100	4400	1100

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14052.60VOC	CDEMDMW14055.00VOC	CDEMDMW14057.00VOC	CDEMDMW14058.20VOC	CDEMDMW14059.80VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	52.6	55	57	58.2	59.8
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/6/2009	2/6/2009	2/6/2009	2/6/2009	2/6/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	840	3600	380	6100	1100
Tetrachloroethene	ND	1	1.1	3.1	2.2
trans-1,2-Dichloroethene	ND	ND	ND	22	ND
Trichloroethene	2200	2300	1400	3600	1300

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14FD001VOC	CDEMDMW14061.50VOC	CDEMDMW14064.70VOC	CDEMDMW14066.50VOC	CDEMDMW14067.80VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	DUP of 59.8	61.5	64.7	66.5	67.8
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/6/2009	2/6/2009	2/6/2009	2/6/2009	2/6/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	770	820	62	350	540
Tetrachloroethene	1.6	2	ND	ND	1.1
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	880	790	150	220	490

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14075.90VOC	CDEMDMW14079.20VOC	CDEMDMW14080.30VOC	CDEMDMW14082.50VOC	CDEMDMW14083.70VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	75.9	79.2	80.3	82.5	83.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	84	ND	ND	ND	ND
Tetrachloroethene	20	1.4	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	300	72	19	43	4.3

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14085.80VOC	CDEMDMW14089.00VOC	CDEMDMW14094.80VOC	CDEMDMW14096.70VOC	CDEMDMW14108.80VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	85.8	89	94.8	96.7	108.8
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	1.1	ND	ND	1	1.1
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	12	18	0.77 J	3.7	4.8

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14114.20VOC	CDEMDMW14115.70VOC	CDEMDMW14117.60VOC	CDEMDMW14118.50VOC	CDEMDMW14120.50VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	114.2	115.7	117.6	118.5	120.5
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/26/2009	2/26/2009	2/26/2009	2/26/2009	2/26/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	0.89	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	9.4	4.4	0.47 J	3.7	2.1

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14122.40VOC	CDEMDMW14128.50VOC	CDEMDMW14129.50VOC	CDEMDMW14131.90VOC	CDEMDMW14135.30VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	122.4	128.5	129.5	131.9	135.3
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/26/2009	2/26/2009	2/26/2009	2/26/2009	2/26/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	4.3	1.8	2.2	2	1.6

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14136.90VOC	CDEMDMW14138.80VOC	CDEMDMW14141.80VOC	CDEMDMW14145.50VOC	CDEMDMW14146.70VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	136.9	138.8	141.8	145.5	146.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/26/2009	2/26/2009	2/26/2009	2/26/2009	2/26/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	3.7	1.9	3	1.8	3.1

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14152.80VOC	CDEMDMW14157.70VOC	CDEMDMW14164.30VOC	CDEMDMW14165.50VOC	CDEMDMW14168.90VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	152.8	157.7	164.3	165.5	168.9
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/26/2009	2/26/2009	2/27/2009	2/27/2009	2/27/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	0.98 J	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	0.61 J
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	2.2	0.86	ND	2.4	5.3

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14170.70VOC	CDEMDMW14174.50VOC	CDEMDMW14175.50VOC	CDEMDMW14177.40VOC	CDEMDMW14181.80VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	170.7	174.5	175.5	177.4	181.8
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/27/2009	2/27/2009	2/27/2009	2/27/2009	2/27/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1.2	5.5	2.5	3.2	2.1

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14184.10VOC	CDEMDMW14FD004VOC	CDEMDMW14185.70VOC	CDEMDMW14190.60VOC	CDEMDMW14193.60VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	184.1	DUP of 184.1	185.7	190.6	193.6
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/27/2009	2/27/2009	2/27/2009	3/2/2009	3/2/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	2.5	2.6	2	5.2	1.9

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14196.20VOC	CDEMDMW14197.40VOC	CDEMDMW14205.00VOC	CDEMDMW14208.50VOC	CDEMDMW14210.00VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	196.2	197.4	205	208.5	210
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	3/2/2009	3/2/2009	3/2/2009	3/2/2009	3/2/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	1.8
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1.5	1.5	1.6	3	2.4

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14214.60VOC	CDEMDMW14215.80VOC	CDEMDMW14216.90VOC	CDEMDMW14225.70VOC	CDEMDMW14227.20VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	214.6	215.8	216.9	225.7	227.2
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	3/2/2009	3/2/2009	3/2/2009	3/3/2009	3/3/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	1.1 J	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1.9	2.9	1.5	1.5	1.3

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14231.30VOC	CDEMDMW14FD006VOC	CDEMDMW16025.00VOC	CDEMDMW16027.00VOC	CDEMDMW16035.00VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	231.3	DUP of 231.3	25	27	35
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	3/3/2009	3/3/2009	1/21/2009	1/21/2009	1/22/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	15	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	0.7	0.35 J	8 J	24 J	36

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16041.60VOC	CDEMDMW16042.80VOC	CDEMDMW16044.80VOC	CDEMDMW16046.60VOC	CDEMDMW16048.20VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	41.6	42.8	44.8	46.6	48.2
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/22/2009	1/22/2009	1/23/2009	1/23/2009	1/23/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	26	ND	1.4 J	100	28
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	77	14	58	390	170

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16050.00VOC	CDEMDMW16052.00VOC	CDEMDMW16054.30VOC	CDEMDMW16055.90VOC	CDEMDMW16058.20VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	50	52	54.3	55.9	58.2
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/23/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	37	49	ND	46	9.5 J
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	170	170	19	310	71

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16060.40VOC	CDEMDMW16062.00VOC	CDEMDMW16064.55VOC	CDEMDMW16066.60VOC	CDEMDMW16068.00VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	60.4	62	64.55	66.6	68
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/23/2009	1/23/2009	1/26/2009	1/26/2009	1/26/2009
1,1,1-Trichloroethane	ND	ND	ND	0.1 J	0.14 J
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.91 J	ND	0.7 J	0.82 J
1,1-Dichloroethene	ND	ND	ND	5.4 J	6.3 J
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	7.4 J	32	ND	9.5 J	15
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	120	240	28	150	190

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16070.10VOC	CDEMDMW16072.20VOC	CDEMDMW16FD001VOC	CDEMDMW16074.30VOC	CDEMDMW16075.90VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	70.1	72.2	DUP of 72.2	74.3	75.9
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/26/2009	1/26/2009	1/26/2009	1/23/2009	1/26/2009
1,1,1-Trichloroethane	ND	ND	0.14 J	ND	0.18 J
1,1,2-Trichloro-1,2,2-trifluoroeth	0.33 J	0.46 J	1.4	ND	1.5
1,1-Dichloroethene	1.4 J	3.8 J	15 J	ND	11
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	12	6.8 J	12	ND	17
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	190	120	200	110	240

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16078.00VOC	CDEMDMW16079.90VOC	CDEMDMW16082.00VOC	CDEMDMW16084.55VOC	CDEMDMW16086.10VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	78	79.9	82	84.55	86.1
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	0.44 J
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	20	7.2 J	12	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	200	120	150	120	120

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16087.80VOC	CDEMDMW16090.10VOC	CDEMDMW16092.70VOC	CDEMDMW16094.30VOC	CDEMDMW16096.10VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	87.8	90.1	92.7	94.3	96.1
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/26/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.65 J	0.13 J	0.28 J	ND	0.42 J
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.3 J	0.66 J	ND	2 J	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	89	81	5.7	140	9.9

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16098.40VOC	CDEMDMW16099.80VOC	CDEMDMW16101.90VOC	CDEMDMW16104.70VOC	CDEMDMW16106.10VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	98.4	99.8	101.9	104.7	106.1
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.51 J	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	6.8 J	15	18
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	40	30	110	120	160

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16107.40VOC	CDEMDMW16110.20VOC	CDEMDMW16FD002VOC	CDEMDMW16112.20VOC	CDEMDMW16114.4VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	107.4	110.2	DUP of 110.2	112.2	114.4
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	22	17	ND	30	32
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	130	130 J	60 J	140	140

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16115.70VOC	CDEMDMW16117.40VOC	CDEMDMW16119.70VOC	CDEMDMW16122.50VOC	CDEMDMW16125.50VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	115.7	117.4	119.7	122.5	125.5
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/28/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	54	46	62	ND	53
Tetrachloroethene	ND	ND	ND	ND	0.94
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	190	160	190	8	140

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16126.70VOC	CDEMDMW16128.40VOC	CDEMDMW16130.00VOC	CDEMDMW16131.90VOC	CDEMDMW16134.70VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	126.7	128.4	130	131.9	134.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/28/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	73	58	40	19	13
Tetrachloroethene	ND	0.84	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	180	160	130	73	77

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16136.90VOC	CDEMDMW16138.40VOC	CDEMDMW16140.10VOC	CDEMDMW16142.20VOC	CDEMDMW16144.30VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	136.9	138.4	140.1	142.2	144.3
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/28/2009
1,1,1-Trichloroethane	ND	ND	ND	0.2 J	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	22	20	110	56	51
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	110	100	320	170	150

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16146.10VOC	CDEMDMW16148.40VOC	CDEMDMW16149.70VOC	CDEMDMW16FD003VOC	CDEMDMW16151.70VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	146.1	148.4	149.7	DUP of 149.7	151.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/28/2009	1/28/2009	1/29/2009	1/29/2009	1/29/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	47	46	61	71	48
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	140	140	130	140	100

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16155.60VOC	CDEMDMW16156.20VOC	CDEMDMW16158.00VOC	CDEMDMW16160.40VOC	CDEMDMW16161.70VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	155.6	156.2	158	160.4	161.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009
1,1,1-Trichloroethane	0.21 J	0.68 J	ND	0.31 J	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	79	12 J	23	42	26
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	190	40	46	77	41

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16164.30VOC	CDEMDMW16166.30VOC	CDEMDMW16167.60VOC	CDEMDMW16170.30VOC	CDEMDMW16172.30VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	164.3	166.3	167.6	170.3	172.3
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009
1,1,1-Trichloroethane	0.16 J	ND	0.37 J	0.13 J	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	11	69	27	ND	2.9 J
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	30	120	48	14	37

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16174.35VOC	CDEMDMW16175.90VOC	CDEMDMW16177.90VOC	CDEMDMW16179.70VOC	CDEMDMW16182.50VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	174.35	175.9	177.9	179.7	182.5
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	52	110	52	22	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	94	130	83	52	20

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16184.30VOC	CDEMDMW16186.00VOC	CDEMDMW16187.80VOC	CDEMDMW16190.10VOC	CDEMDMW16FD004VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	184.3	186	187.8	190.1	DUP of 190.1
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/29/2009	1/29/2009	1/29/2009	1/30/2009	1/30/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	15	5.4 J	130 J
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	6.9	13	56	28	560

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16191.80VOC	CDEMDMW16194.90VOC	CDEMDMW16197.10VOC	CDEMDMW16198.50VOC	CDEMDMW16200.00VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	191.8	194.9	197.1	198.5	200
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/30/2009	1/30/2009	1/30/2009	1/30/2009	1/30/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	28	2.8 J	ND	13	4.2 J
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	60	28	2.4	50	29

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16204.70VOC	CDEMDMW16206.00VOC	CDEMDMW16207.30VOC	CDEMDMW16212.00VOC	CDEMDMW16214.30VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	204.7	206	207.3	212	214.3
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	1/30/2009	1/30/2009	1/30/2009	1/30/2009	1/30/2009
1,1,1-Trichloroethane	ND	0.14 J	ND	ND	0.11 J
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	13	15	2	8	ND

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16226.00VOC	CDEMDMW16227.70VOC	CDEMDMW16230.30VOC	CDEMDMW16FD005VOC	CDEMDMW16233.40VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	226	227.7	230.3	DUP of 230.3	233.4
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/2/2009	2/2/2009	2/2/2009	2/2/2009	2/2/2009
1,1,1-Trichloroethane	ND	0.11 J	0.16 J	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1.1	10	4	3.2	5.9

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16234.70VOC	CDEMDMW16236.90VOC	CDEMDMW16238.30VOC	CDEMDMW16241.10VOC	CDEMDMW16245.40VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	234.7	236.9	238.3	241.1	245.4
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/2/2009	2/2/2009	2/2/2009	2/2/2009	2/2/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	3.7	2.2	1.8	0.67 J	2.7

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16247.40VOC	CDEMDMW16251.50VOC	CDEMDMW20039.70VOC	CDEMDMW20040.40VOC	CDEMDMW20041.90VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	247.4	251.5	39.7	40.4	41.9
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/2/2009	2/2/2009	2/10/2009	2/10/2009	2/10/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	4.2	7.8	1.9	3.9	2.9

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20043.80VOC	CDEMDMW20045.20VOC	CDEMDMW20046.20VOC	CDEMDMW20049.20VOC	CDEMDMW20049.70VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	43.8	45.2	46.2	49.2	49.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/10/2009	2/10/2009	2/10/2009	2/10/2009	2/10/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	2.3	3	5.1	1.3	2.9

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20FD001VOC	CDEMDMW20059.35VOC	CDEMDMW20062.25VOC	CDEMDMW20070.40VOC	CDEMDMW20070.80VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	DUP of 58.5	59.35	62.25	70.4	70.8
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/10/2009	2/10/2009	2/10/2009	2/10/2009	2/10/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	4.4 J
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1.2	0.9	1.6	0.24 J	3.4

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20072.15VOC	CDEMDMW20074.55VOC	CDEMDMW20075.30VOC	CDEMDMW20076.85VOC	CDEMDMW20084.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	72.15	74.55	75.3	76.85	84.2
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/10/2009	2/10/2009	2/10/2009	2/10/2009	2/12/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	3.1 J	2.6 J	ND	2.5 J	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	2.2	8.4	3.6	7.7	7

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20086.50VOC	CDEMDMW20088.90VOC	CDEMDMW20090.20VOC	CDEMDMW20090.75VOC	CDEMDMW20FD002VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	86.5	88.9	90.2	90.75	DUP of 90.75
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/12/2009	2/12/2009	2/12/2009	2/12/2009	2/12/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	7.3	18	8.7	6.4	3.9

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20091.80VOC	CDEMDMW20094.25VOC	CDEMDMW20095.70VOC	CDEMDMW20097.00VOC	CDEMDMW20099.10VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	91.8	94.25	95.7	97	99.1
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/12/2009	2/12/2009	2/12/2009	2/12/2009	2/12/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	0.52 J	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	0.95	7.1	7.6	4.4	4.6

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20100.45VOC	CDEMDMW20101.80VOC	CDEMDMW20104.70VOC	CDEMDMW20105.85VOC	CDEMDMW20106.45VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	100.45	101.8	104.7	105.85	106.45
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/12/2009	2/12/2009	2/11/2009	2/11/2009	2/11/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1.4	6.7	6.5	6.9	1.1

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20109.40VOC	CDEMDMW20110.65.VOC	CDEMDMW20112.20.VOC	CDEMDMW20113.80VOC	CDEMDMW20115.50VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	109.4	110.65	112.2	113.8	115.5
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/11/2009	2/11/2009	2/11/2009	2/11/2009	2/11/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	3.8	3.7	3	4.2	3.3

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20116.80VOC	CDEMDMW20120.00VOC	CDEMDMW20120.70VOC	CDEMDMW20FD003VOC	CDEMDMW20121.35VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	116.8	120	120.7	DUP of 120.7	121.35
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/11/2009	2/11/2009	2/11/2009	2/11/2009	2/11/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	3.7	3.2	1.6	1.7	2.4

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20124.10VOC	CDEMDMW20125.80VOC	CDEMDMW20129.30VOC	CDEMDMW20130.45VOC	CDEMDMW20132.50VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	124.1	125.8	129.3	130.45	132.5
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/11/2009	2/11/2009	2/12/2009	2/12/2009	2/12/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1.2	3.4	5.5	6.1	17

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20136.65VOC	CDEMDMW20140.40VOC	CDEMDMW20142.60VOC	CDEMDMW20143.00VOC	CDEMDMW20145.50VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	136.65	140.4	142.6	143	145.5
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/12/2009	2/12/2009	2/12/2009	2/12/2009	2/12/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	0.7	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	2.2	2.2	2.3	1.1	1.8

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20147.00VOC	CDEMDMW20149.30VOC	CDEMDMW20150.10VOC	CDEMDMW20152.00VOC	CDEMDMW20154.30VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	147	149.3	150.1	152	154.3
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/12/2009	2/12/2009	2/12/2009	2/12/2009	2/12/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1.1	5.4	7.7	3.1	1.7

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20156.15VOC	CDEMDMW20FD004VOC	CDEMDMW20157.20VOC	CDEMDMW20159.50VOC	CDEMDMW20161.00VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	156.15	DUP of 156.15	157.2	159.5	161
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/12/2009	2/12/2009	2/12/2009	2/12/2009	2/12/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	23	28	6.9	7.7	6.7

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20171.90VOC	CDEMDMW20174.00VOC	CDEMDMW20176.00VOC	CDEMDMW20178.40VOC	CDEMDMW20180.70VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	171.9	174	176	178.4	180.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/12/2009	2/12/2009	2/12/2009	2/12/2009	2/12/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	4.5	15	4.1	8.7	5.7

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20182.40VOC	CDEMDMW20184.65VOC	CDEMDMW20187.60VOC	CDEMDMW20188.70VOC	CDEMDMW20190.60VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	182.4	184.65	187.6	188.7	190.6
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/12/2009	2/12/2009	2/12/2009	2/13/2009	2/13/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	3.5	6.5	6.6	4.8	2.6

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20192.30VOC	CDEMDMW20FD005VOC	CDEMDMW20194.80VOC	CDEMDMW20197.10VOC	CDEMDMW20198.85VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	192.3	DUP of 192.3	194.8	197.1	198.85
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/13/2009	2/13/2009	2/13/2009	2/13/2009	2/13/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	6.1	3.8	2.8	1.3	5.6

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20200.50VOC	CDEMDMW20202.15VOC	CDEMDMW20204.90VOC	CDEMDMW20206.50VOC	CDEMDMW20209.30VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	200.5	202.15	204.9	206.5	209.3
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/13/2009	2/13/2009	2/13/2009	2/13/2009	2/13/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	4.8	5.1	5.3	12	5.4

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20210.55VOC	CDEMDMW20211.80VOC	CDEMDMW20214.55VOC	CDEMDMW20217.20VOC	CDEMDMW20219.70VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	210.55	211.8	214.55	217.2	219.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/13/2009	2/13/2009	2/13/2009	2/13/2009	2/13/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	6.1	1.1	1.7	1	1.5

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20221.55VOC	CDEMDMW20222.30VOC	CDEMDMW20224.80VOC	CDEMDMW20227.30VOC	CDEMDMW20228.80VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	221.55	222.3	224.8	227.3	228.8
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/13/2009	2/13/2009	2/13/2009	2/13/2009	2/16/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	4.1	2.9	9.4	5.6	5.5

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20230.10VOC	CDEMDMW20231.40VOC	CDEMDMW20FD006VOC	CDEMDMW20234.00VOC	CDEMDMW20235.40VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	230.1	231.4	DUP of 231.4	234	235.4
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/16/2009	2/16/2009	2/16/2009	2/16/2009	2/16/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	6.8	7.2	6.7	13	12

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20239.20VOC	CDEMDMW20242.20VOC	CDEMDMW20244.60VOC	CDEMDMW20255.60VOC	CDEMDMW20257.00VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	239.2	242.2	244.6	255.6	257
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/16/2009	2/16/2009	2/16/2009	2/16/2009	2/16/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1	8.8	23	12	10

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20260.10VOC	CDEMDMW20261.90VOC	CDEMDMW20263.60VOC	CDEMDMW20265.20VOC	CDEMDMW20266.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	260.1	261.9	263.6	265.2	266.2
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/17/2009	2/17/2009	2/17/2009	2/17/2009	2/17/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	15	9.1	17	17	16

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20268.70VOC	CDEMDMW20FD007VOC	CDEMDMW20270.40VOC	CDEMDMW20272.00VOC	CDEMDMW20273.60VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	268.7	DUP of 268.7	270.4	272	273.6
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/17/2009	2/17/2009	2/17/2009	2/17/2009	2/17/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	17	13	18	14	21

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20276.60VOC	CDEMDMW20279.20VOC	CDEMDMW20281.50VOC	CDEMDMW20282.70VOC	CDEMDMW20284.40VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	276.6	279.2	281.5	282.7	284.4
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/17/2009	2/17/2009	2/17/2009	2/17/2009	2/18/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	36	27	23	32	22

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20285.60VOC	CDEMDMW20288.30VOC	CDEMDMW20290.40VOC	CDEMDMW20291.80VOC	CDEMDMW20295.50VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	285.6	288.3	290.4	291.8	295.5
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/18/2009	2/18/2009	2/18/2009	2/18/2009	2/18/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	33	23	32	18	37

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20297.60VOC	CDEMDMW20298.10VOC	CDEMDMW20301.30VOC	CDEMDMW20303.20VOC	CDEMDMW20305.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	297.6	298.1	301.3	303.2	305.2
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/18/2009	2/18/2009	2/18/2009	2/18/2009	2/18/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	28	27	21	20	48

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20306.50VOC	CDEMDMW20310.60VOC	CDEMDMW20FD008VOC	CDEMDMW20311.70VOC	CDEMDMW20314.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	306.5	310.6	DUP of 310.6	311.7	314.2
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/18/2009	2/18/2009	2/18/2009	2/18/2009	2/18/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	26	16	10	24	19

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20315.60VOC	CDEMDMW20317.30VOC	CDEMDMW20319.30VOC	CDEMDMW20320.80VOC	CDEMDMW20323.70VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	315.6	317.3	319.3	320.8	323.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/18/2009	2/18/2009	2/19/2009	2/19/2009	2/19/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	18	15	25	18	21

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20325.80VOC	CDEMDMW20327.20VOC	CDEMDMW20329.00VOC	CDEMDMW20331.90VOC	CDEMDMW20334.00VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	325.8	327.2	329	331.9	334
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/19/2009	2/19/2009	2/19/2009	2/19/2009	2/19/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	20	7.6	11	17	6.6

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20335.60VOC	CDEMDMW20337.10VOC	CDEMDMW20339.60VOC	CDEMDMW20341.20VOC	CDEMDMW20344.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	335.6	337.1	339.6	341.2	344.2
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/19/2009	2/19/2009	2/19/2009	2/19/2009	2/19/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	2.4
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	15	0.95	12	14	11

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20345.70VOC	CDEMDMW20347.50VOC	CDEMDMW20349.30VOC	CDEMDMW20FD009VOC	CDEMDMW20351.30VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	345.7	347.5	349.3	DUP of 349.3	351.3
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/19/2009	2/19/2009	2/20/2009	2/20/2009	2/20/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	21	8.7	2.4	2.3	7.7

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20354.00VOC	CDEMDMW20355.30VOC	CDEMDMW20357.00VOC	CDEMDMW20359.50VOC	CDEMDMW20361.00VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	354	355.3	357	359.5	361
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	0.98	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	8	9.2	0.66 J	9.2	7.9

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20364.00VOC	CDEMDMW20366.00VOC	CDEMDMW20369.00VOC	CDEMDMW20370.50VOC	CDEMDMW20371.80VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	364	366	369	370.5	371.8
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	1.7	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	24	7	4.2	5.2	4.5

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20373.50VOC	CDEMDMW20376.10VOC	CDEMDMW20379.00VOC	CDEMDMW20380.50VOC	CDEMDMW20381.50VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	373.5	376.1	379	380.5	381.5
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/20/2009	2/20/2009	2/23/2009	2/23/2009	2/23/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	3.4	10	4.6	11	0.85 J

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20384.30VOC	CDEMDMW20387.10VOC	CDEMDMW20FD010VOC	CDEMDMW20389.50VOC	CDEMDMW20392.60VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	384.3	387.1	DUP of 387.1	389.5	392.6
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroeth	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	8.8	0.96	0.72 J	0.3 J	1.3

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20394.40VOC	CDEMDMW20396.40VOC	CDEMDMW20400.70VOC	CDEMDMW20402.30VOC	CDEMDMW20403.70VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	394.4	396.4	400.7	402.3	403.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	3.4	9.5	2.6	1.8	1.7

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20406.80VOC	CDEMDMW20409.50VOC	CDEMDMW20411.10VOC	CDEMDMW20412.40VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	406.8	409.5	411.1	412.4
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core
UNITS	ug/kg	ug/kg	ug/kg	ug/kg
SAMPLE DATE	2/23/2009	2/23/2009	2/23/2009	2/23/2009
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND
Trichloroethene	2.2	1.9	2.5	1.8

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14027.20TOC	CDEMDMW14049.30TOC	CDEMDMW14076.20TOC	CDEMDMW14093.40TOC	CDEMDMW14110.00TOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	27.2	49.3	76.2	93.4	110
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
SAMPLE DATE	2/5/2009	2/6/2009	2/25/2009	2/25/2009	2/25/2009
Percent Solids (%)	93.8	96.4	93.3	96.7	96.7
Total Organic Carbon (mg/kg)	ND	ND	332	247	227

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14131.00TOC	CDEMDMW14151.10TOC	CDEMDMW14171.80TOC	CDEMDMW14192.00TOC	CDEMDMW14211.40TOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	131	151.1	171.8	192	211.4
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
SAMPLE DATE	2/26/2009	2/26/2009	2/27/2009	3/2/2009	3/2/2009
Percent Solids (%)	97.7	96.9	96.2	97.6	96
Total Organic Carbon (mg/kg)	ND	146	148	177	164

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14232.50TOC	CDEMDMW14FD001TOC	CDEMDMW16034.00TOC	CDEMDMW16063.10TOC	CDEMDMW16083-20TOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	232.5	DUP of 232.5	34	63.1	83.2
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
SAMPLE DATE	3/3/2009	3/3/2009	1/22/2009	1/23/2009	1/26/2009
Percent Solids (%)	95.6	90.5	96.7	96.6	95.1
Total Organic Carbon (mg/kg)	153	153	ND	ND	115

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16103.10TOC	CDEMDMW16129.30TOC	CDEMDMW16143.00TOC	CDEMDMW16163.30TOC	CDEMDMW16183.40TOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	103.1	129.3	143	163.3	183.4
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
SAMPLE DATE	1/27/2009	1/28/2009	1/28/2009	1/29/2009	1/29/2009
Percent Solids (%)	97.2	97.6	95.4	96.7	96.5
Total Organic Carbon (mg/kg)	166	ND	ND	ND	ND

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16202.50TOC	CDEMDMW16220.00TOC	CDEMDMW16241.10TOC	CDEMDMW20036.80	CDEMDMW20061.35	CDEMDMW20085.70
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	202.5	220	241.1	36.8	61.35	85.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
SAMPLE DATE	1/30/2009	1/30/2009	2/2/2009	2/9/2009	2/10/2009	2/11/2009
Percent Solids (%)	96.2	97.3	97.9	95.7	95.6	96.2
Total Organic Carbon (mg/kg)	171	2000	ND	ND	ND	ND

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20104.70	CDEMDMW20125.75	CDEMDMW20144.00	CDEMDMW20165.75	CDEMDMW20186.60	CDEMDMW20204.40
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	104.7	125.75	144	165.75	186.6	204.4
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
SAMPLE DATE	2/11/2009	2/11/2009	2/12/2009	2/12/2009	2/12/2009	2/13/2009
Percent Solids (%)	96.1	93.8	95.6	96.9	95.5	95.9
Total Organic Carbon (mg/kg)	ND	ND	ND	241	ND	287 J

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20FD001	CDEMDMW20226.30	CDEMDMW20246.20	CDEMDMW20FD002	CDEMDMW20267.70	CDEMDMW20287.70
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	DUP of 204.4	226.3	246.2	DUP of 246.2	267.7	287.7
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
SAMPLE DATE	2/13/2009	2/13/2009	2/16/2009	2/16/2009	2/17/2009	2/18/2009
Percent Solids (%)	96.2	96.4	96.4	96.1	92.6	93.7
Total Organic Carbon (mg/kg)	209 J	ND	157 J	133 J	ND	ND

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-4
OU3 ROCK MATRIX DETECTIONS
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20308.40	CDEMDMW20330.00	CDEMDMW20368.70	CDEMDMW20388.40	CDEMDMW20408.40
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	308.4	330	368.7	388.4	408.4
MATRIX	Rock Core	Rock Core	Rock Core	Rock Core	Rock Core
SAMPLE DATE	2/18/2009	2/19/2009	2/20/2009	2/23/2009	2/23/2009
Percent Solids (%)	97.5	97.5	97.8	94.9	97.4
Total Organic Carbon (mg/kg)	129 J	ND	199	122 J	ND

Notes:

ND = non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14023.30VOC	CDEMDMW14024.80VOC	CDEMDMW14026.40VOC	CDEMDMW14027.65VOC	CDEMDMW14030.60VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	23.3	24.8	26.4	27.65	30.6
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	300	1.7	1.2 J
Aroclor-1254	11	48	160	0.67	0.57
Aroclor-1260	ND	ND	ND	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND
PCBs (Aroclors)	11	48	460	2.37	1.77 J

Notes:

ND = non-detect

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14033.00VOC	CDEMDMW14036.90VOC	CDEMDMW14038.50VOC	CDEMDMW14040.80VOC	CDEMDMW14043.20VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	33	36.9	38.5	40.8	43.2
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND
Aroclor-1248	2.4	0.81 J	1.1 J	1.5	0.83 J
Aroclor-1254	0.67	0.16 J	0.35	0.44	0.46
Aroclor-1260	ND	ND	ND	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND
PCBs (Aroclors)	3.07	0.97 J	1.45 J	1.94	1.29 J

Notes:

ND = non-detect

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14044.40VOC	CDEMDMW14046.50VOC	CDEMDMW14047.60VOC	CDEMDMW14050.65VOC	CDEMDMW14052.60VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	44.4	46.5	47.6	50.65	52.6
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND
Aroclor-1248	ND	0.64 J	1.1 J	0.64 J	ND
Aroclor-1254	0.088 J	0.41	0.34	0.29 J	0.17 J
Aroclor-1260	ND	ND	ND	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.088 J	1.05 J	1.44 J	0.93 J	0.17 J

Notes:

ND = non-detect

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14055.00VOC	CDEMDMW14057.00VOC	CDEMDMW14058.20VOC	CDEMDMW14059.80VOC	CDEMDMW14061.50VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	55	57	58.2	59.8	61.5
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND
Aroclor-1248	2.4	2	4.4	4.8	3500
Aroclor-1254	0.83	1	1.3	2.5	1800
Aroclor-1260	ND	ND	ND	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND
PCBs (Aroclors)	3.23	3	5.7	7.3	5300

Notes:

ND = non-detect

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14067.80VOC	CDEMDMW14082.50VOC	CDEMDMW14101.00VOC	CDEMDMW14141.80VOC	CDEMDMW14164.30VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	67.8	82.5	101	141.8	164.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	ND	ND	ND	0.37	ND
Aroclor-1221	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	0.22 J
Aroclor-1254	0.026	ND	ND	ND	ND
Aroclor-1260	ND	0.043	0.023	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.026	0.043	0.023	0.37	0.22 J

Notes:

ND = non-detect

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14193.60VOC	CDEMDMW14199.30VOC	CDEMDMW14205.00VOC	CDEMDMW14206.60VOC	CDEMDMW14214.60VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	193.6	199.3	205	206.6	214.6
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	0.19 J
Aroclor-1254	0.016 J	0.01 J	0.014 J	0.0055 J	ND
Aroclor-1260	ND	ND	ND	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.016 J	0.01 J	0.014 J	0.0055 J	0.19 J

Notes:

ND = non-detect

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16027.00VOC	CDEMDMW16048.20VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	27	48.2
UNITS	ug/L	ug/L
Aroclor-1016	ND	ND
Aroclor-1221	ND	ND
Aroclor-1232	ND	ND
Aroclor-1242	ND	ND
Aroclor-1248	ND	0.61 J
Aroclor-1254	0.32	ND
Aroclor-1260	ND	ND
Aroclor-1262	ND	ND
Aroclor-1268	ND	ND
PCBs (Aroclors)	0.32	0.61 J

Notes:

ND = non-detect

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14023.30VOC	CDEMDMW14024.80VOC	CDEMDMW14026.40VOC	CDEMDMW14027.65VOC	CDEMDMW14030.60VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	23.3	24.8	26.4	27.65	30.6
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	120	39 J	23 J	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	14	ND	ND
cis-1,2-Dichloroethene	200000	92000	110000	120000	47000
Tetrachloroethene	22	6.7	9.4	8.7	ND
trans-1,2-Dichloroethene	500	160	410	300	180
Trichloroethene	23000	8500	35000	27000	7600

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14033.00VOC	CDEMDMW14035.70VOC	CDEMDMW14036.90VOC	CDEMDMW14038.50VOC	CDEMDMW14040.80VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	33	35.7	36.9	38.5	40.8
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	180	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	260000	77000	86000	74000	57000
Tetrachloroethene	32	8.1	11	8	10
trans-1,2-Dichloroethene	1100	300	270	250	180
Trichloroethene	83000	47000	61000	48000	52000

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14043.20VOC	CDEMDMW14044.40VOC	CDEMDMW14046.50VOC	CDEMDMW14047.60VOC	CDEMDMW14050.65VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	43.2	44.4	46.5	47.6	50.65
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	34000	48000	13000	46000	3800
Tetrachloroethene	9.5	19	ND	10	ND
trans-1,2-Dichloroethene	85 J	150	ND	85 J	ND
Trichloroethene	62000	43000	38000	54000	14000

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14052.60VOC	CDEMDMW14055.00VOC	CDEMDMW14057.00VOC	CDEMDMW14058.20VOC	CDEMDMW14059.80VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	52.6	55	57	58.2	59.8
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	12000	50000	5300	85000	15000
Tetrachloroethene	13	7.3	8	23	16
trans-1,2-Dichloroethene	ND	ND	ND	340	ND
Trichloroethene	27000	28000	17000	45000	16000

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14061.50VOC	CDEMDMW14064.70VOC	CDEMDMW14066.50VOC	CDEMDMW14067.80VOC	CDEMDMW14075.90VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	61.5	64.7	66.5	67.8	75.9
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	11000	200	1100	1700	270
Tetrachloroethene	15	ND	ND	0.91	17
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	9800	340	500	1100	680

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14079.20VOC	CDEMDMW14080.30VOC	CDEMDMW14082.50VOC	CDEMDMW14083.70VOC	CDEMDMW14085.80VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	79.2	80.3	82.5	83.7	85.8
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	1.2	ND	ND	ND	1.2
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	160	43	97	9.7	36

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14089.00VOC	CDEMDMW14094.80VOC	CDEMDMW14096.70VOC	CDEMDMW14108.80VOC	CDEMDMW14114.20VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	89	94.8	96.7	108.8	114.2
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	1.1	1.3	1.1
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	54	2.3 J	11	16	31

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14115.70VOC	CDEMDMW14117.60VOC	CDEMDMW14118.50VOC	CDEMDMW14120.50VOC	CDEMDMW14122.40VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	115.7	117.6	118.5	120.5	122.4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	14	1.5 J	12	6.8	75

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14128.50VOC	CDEMDMW14129.50VOC	CDEMDMW14131.90VOC	CDEMDMW14135.30VOC	CDEMDMW14136.90VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	128.5	129.5	131.9	135.3	136.9
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	32	39	35	28	65

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14138.80VOC	CDEMDMW14141.80VOC	CDEMDMW14145.50VOC	CDEMDMW14146.70VOC	CDEMDMW14152.80VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	138.8	141.8	145.5	146.7	152.8
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	33	14	8.2	14	10

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14157.70VOC	CDEMDMW14164.30VOC	CDEMDMW14165.50VOC	CDEMDMW14168.90VOC	CDEMDMW14170.70VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	157.7	164.3	165.5	168.9	170.7
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	11 J	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	1.1 J	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	3.9	ND	11	25	5.7

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14174.50VOC	CDEMDMW14175.50VOC	CDEMDMW14177.40VOC	CDEMDMW14181.80VOC	CDEMDMW14184.10VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	174.5	175.5	177.4	181.8	184.1
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	26	12	15	8.5	10

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14185.70VOC	CDEMDMW14190.60VOC	CDEMDMW14193.60VOC	CDEMDMW14196.20VOC	CDEMDMW14197.40VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	185.7	190.6	193.6	196.2	197.4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	8.1	21	7.6	6	6

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14205.00VOC	CDEMDMW14208.50VOC	CDEMDMW14210.00VOC	CDEMDMW14214.60VOC	CDEMDMW14215.80VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-14-00
SAMPLE DEPTH (FT)	205	208.5	210	214.6	215.8
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	17	10 J	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	6.8	13	10	8	12

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW14216.90VOC	CDEMDMW14225.70VOC	CDEMDMW14227.20VOC	CDEMDMW14231.30VOC	CDEMDMW16025.00VOC
SAMPLE LOCATION (WELL ID)	MW-14-00	MW-14-00	MW-14-00	MW-14-00	MW-16-00
SAMPLE DEPTH (FT)	216.9	225.7	227.2	231.3	25
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	6.3	6.5	5.6	3	100

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16027.00VOC	CDEMDMW16035.00VOC	CDEMDMW16041.60VOC	CDEMDMW16042.80VOC	CDEMDMW16044.80VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	27	35	41.6	42.8	44.8
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	220	ND	390	ND	21 J
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	310	470	1000	180	750

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16046.60VOC	CDEMDMW16048.20VOC	CDEMDMW16050.00VOC	CDEMDMW16052.00VOC	CDEMDMW16054.30VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	46.6	48.2	50	52	54.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1500	420	550	730	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	5100	2200	2200	2200	230

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16055.90VOC	CDEMDMW16058.20VOC	CDEMDMW16060.40VOC	CDEMDMW16062.00VOC	CDEMDMW16064.55VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	55.9	58.2	60.4	62	64.55
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	6.5 J	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	640	130 J	100 J	440	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	3800	870	1500	2900	340

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16066.60VOC	CDEMDMW16068.00VOC	CDEMDMW16070.10VOC	CDEMDMW16072.20VOC	CDEMDMW16074.30VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	66.6	68	70.1	72.2	74.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	1.1 J	1.6 J	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5 J	5.9 J	2.4 J	3.3 J	ND
1,1-Dichloroethene	81 J	94 J	21 J	57 J	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	130 J	210	170	94 J	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1800	2300	2300	1500	600

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16075.90VOC	CDEMDMW16078.00VOC	CDEMDMW16079.90VOC	CDEMDMW16082.00VOC	CDEMDMW16084.55VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	75.9	78	79.9	82	84.55
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	0.85 J	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	3.3	ND	ND	ND	ND
1,1-Dichloroethene	96	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	120	140	52 J	87	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1300	1100	660	820	660

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16086.10VOC	CDEMDMW16087.80VOC	CDEMDMW16090.10VOC	CDEMDMW16092.70VOC	CDEMDMW16094.30VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	86.1	87.8	90.1	92.7	94.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.83 J	1.2 J	0.25 J	0.53 J	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	17 J	4.8 J	ND	12 J
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	660	490	440	31	590

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16096.10VOC	CDEMDMW16098.40VOC	CDEMDMW16099.80VOC	CDEMDMW16101.90VOC	CDEMDMW16104.70VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	96.1	98.4	99.8	101.9	104.7
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.57 J	0.69 J	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	39 J	86
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	42	170	130	460	500

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16106.10VOC	CDEMDMW16107.40VOC	CDEMDMW16110.20VOC	CDEMDMW16112.20VOC	CDEMDMW16114.4VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	106.1	107.4	110.2	112.2	114.4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	130	98	170	180
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	670	550	550	590	590

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16115.70VOC	CDEMDMW16117.40VOC	CDEMDMW16119.70VOC	CDEMDMW16122.50VOC	CDEMDMW16125.50VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	115.7	117.4	119.7	122.5	125.5
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	310	1000	1400	ND	1200
Tetrachloroethene	ND	ND	ND	ND	8.4
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	800	3000	3500	150	2600

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16126.70VOC	CDEMDMW16128.40VOC	CDEMDMW16130.00VOC	CDEMDMW16131.90VOC	CDEMDMW16134.70VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	126.7	128.4	130	131.9	134.7
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1700	1300	910	430	300
Tetrachloroethene	ND	7.5	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	3300	3000	2400	1400	1400

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16136.90VOC	CDEMDMW16138.40VOC	CDEMDMW16140.10VOC	CDEMDMW16142.20VOC	CDEMDMW16144.30VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	136.9	138.4	140.1	142.2	144.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	2.8 J	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	400	360	2000	1000	930
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1700	1500	5000	2600	2300

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16146.10VOC	CDEMDMW16148.40VOC	CDEMDMW16149.70VOC	CDEMDMW16151.70VOC	CDEMDMW16155.60VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	146.1	148.4	149.7	151.7	155.6
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	3.1 J
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	850	840	1100	870	1500
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	2200	2200	2000	1500	3100

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16156.20VOC	CDEMDMW16158.00VOC	CDEMDMW16160.40VOC	CDEMDMW16161.70VOC	CDEMDMW16164.30VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	156.2	158	160.4	161.7	164.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	10 J	ND	4.6 J	ND	2.4 J
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	230 J	440	810	500	210
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	650	750	1300	670	490

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16166.30VOC	CDEMDMW16167.60VOC	CDEMDMW16170.30VOC	CDEMDMW16172.30VOC	CDEMDMW16174.35VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	166.3	167.6	170.3	172.3	174.35
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	5.4 J	1.9 J	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1300	520	ND	56 J	1200
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	1900	780	230	600	1800

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16175.90VOC	CDEMDMW16177.90VOC	CDEMDMW16179.70VOC	CDEMDMW16182.50VOC	CDEMDMW16184.30VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	175.9	177.9	179.7	182.5	184.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	7.2 J
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2500	1200	500	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	2400	1600	970	370	130

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16186.00VOC	CDEMDMW16187.80VOC	CDEMDMW16190.10VOC	CDEMDMW16191.80VOC	CDEMDMW16194.90VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	186	187.8	190.1	191.8	194.9
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	4.2 J	ND	ND	ND	0.47 J
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	340	120 J	640	15 J
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	240	1000	520	1100	110

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16197.10VOC	CDEMDMW16198.50VOC	CDEMDMW16200.00VOC	CDEMDMW16204.70VOC	CDEMDMW16206.00VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	197.1	198.5	200	204.7	206
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	0.91 J	0.58 J	ND	ND	0.47 J
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	69	22 J	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	9.5	200	110	51	59

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16207.30VOC	CDEMDMW16212.00VOC	CDEMDMW16226.00VOC	CDEMDMW16227.70VOC	CDEMDMW16230.30VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	207.3	212	226	227.7	230.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	0.037 J	0.053 J
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	7.9	3.2	0.44	4	1.6

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16233.40VOC	CDEMDMW16234.70VOC	CDEMDMW16236.90VOC	CDEMDMW16238.30VOC	CDEMDMW16241.10VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-16-00	MW-16-00
SAMPLE DEPTH (FT)	233.4	234.7	236.9	238.3	241.1
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	110	69	41	34	12 J

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW16245.40VOC	CDEMDMW16247.40VOC	CDEMDMW16251.50VOC	CDEMDMW20039.70VOC	CDEMDMW20040.40VOC
SAMPLE LOCATION (WELL ID)	MW-16-00	MW-16-00	MW-16-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	245.4	247.4	251.5	39.7	40.4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	50	78	150	19 B	39 B

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20041.90VOC	CDEMDMW20043.80VOC	CDEMDMW20045.20VOC	CDEMDMW20046.20VOC	CDEMDMW20049.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	41.9	43.8	45.2	46.2	49.2
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	29 B	23 B	30 B	52 B	13 B

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20049.70VOC	CDEMDMW20059.35VOC	CDEMDMW20062.15VOC	CDEMDMW20070.40VOC	CDEMDMW20070.80VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	49.7	59.35	62.25	70.4	70.8
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	50 J
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	30 B	9.2 B	16 B	2.5 JB	35 B

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20072.15VOC	CDEMDMW20074.55VOC	CDEMDMW20075.30VOC	CDEMDMW20076.85VOC	CDEMDMW20084.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	72.15	74.55	75.3	76.85	84.2
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	35 J	41 J	ND	40 J	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	23 B	120 B	50 B	110 B	97 B

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20086.50VOC	CDEMDMW20088.90VOC	CDEMDMW20090.20VOC	CDEMDMW20090.75VOC	CDEMDMW20091.80VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	86.5	88.9	90.2	90.75	91.8
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	100 B	250	120	88	13

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20094.25VOC	CDEMDMW20095.70VOC	CDEMDMW20097.00VOC	CDEMDMW20099.10VOC	CDEMDMW20100.45VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	94.25	95.7	97	99.1	100.45
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	8.3 J	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	98	95	55	57	17

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20101.80VOC	CDEMDMW20104.70VOC	CDEMDMW20105.85VOC	CDEMDMW20106.45VOC	CDEMDMW20109.40VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	101.8	104.7	105.85	106.45	109.4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	84	81	86	14	47

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20110.65VOC	CDEMDMW20112.20VOC	CDEMDMW20113.80VOC	CDEMDMW20115.50VOC	CDEMDMW20116.80VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	110.65	112.2	113.8	115.5	116.8
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	46	37	52	51	57

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20120.00VOC	CDEMDMW20120.70VOC	CDEMDMW20121.35VOC	CDEMDMW20124.10VOC	CDEMDMW20125.80VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	120	120.7	121.35	124.1	125.8
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	49	25	37	19	53

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20129.30VOC	CDEMDMW20130.45VOC	CDEMDMW20132.50VOC	CDEMDMW20136.65VOC	CDEMDMW20140.40VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	129.3	130.45	132.5	136.65	140.4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	85	94	260	29	29

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20142.60VOC	CDEMDMW20143.00VOC	CDEMDMW20145.50VOC	CDEMDMW20147.00VOC	CDEMDMW20149.30VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	142.6	143	145.5	147	149.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	12	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	30	14	24	14	71

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20150.10VOC	CDEMDMW20152.00VOC	CDEMDMW20154.30VOC	CDEMDMW20156.15VOC	CDEMDMW20157.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	150.1	152	154.3	156.15	157.2
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	100	41	22	69	21

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20159.50VOC	CDEMDMW20161.00VOC	CDEMDMW20171.90VOC	CDEMDMW20174.00VOC	CDEMDMW20176.00VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	159.5	161	171.9	174	176
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	23	20	14	230	63

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20178.40VOC	CDEMDMW20180.70VOC	CDEMDMW20182.40VOC	CDEMDMW20184.65VOC	CDEMDMW20187.60VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	178.4	180.7	182.4	184.65	187.6
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	130	88	54	100	100

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20188.70VOC	CDEMDMW20190.60VOC	CDEMDMW20192.30VOC	CDEMDMW20194.80VOC	CDEMDMW20197.10VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	188.7	190.6	192.3	194.8	197.1
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	74	40	94	43	3.4

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20198.85VOC	CDEMDMW20200.50VOC	CDEMDMW20202.15VOC	CDEMDMW20204.90VOC	CDEMDMW20206.50VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	198.85	200.5	202.15	204.9	206.5
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	15	13	13	14	31

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20209.30VOC	CDEMDMW20210.55VOC	CDEMDMW20211.80VOC	CDEMDMW20214.55VOC	CDEMDMW20217.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	209.3	210.55	211.8	214.55	217.2
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	14	16	2.9	4.5	15

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20219.70VOC	CDEMDMW20221.55VOC	CDEMDMW20222.30VOC	CDEMDMW20224.80VOC	CDEMDMW20227.30VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	219.7	221.55	222.3	224.8	227.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	22	60	42	140	81

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20228.80VOC	CDEMDMW20230.10VOC	CDEMDMW20231.40VOC	CDEMDMW20234.00VOC	CDEMDMW20235.40VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	228.8	230.1	231.4	234	235.4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	80	99	100	190	170

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20239.20VOC	CDEMDMW20242.20VOC	CDEMDMW20244.60VOC	CDEMDMW20255.60VOC	CDEMDMW20257.00VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	239.2	242.2	244.6	255.6	257
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	4.4	39	100	160	140

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20260.10VOC	CDEMDMW20261.90VOC	CDEMDMW20263.60VOC	CDEMDMW20265.20VOC	CDEMDMW20266.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	260.1	261.9	263.6	265.2	266.2
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	200	120	230	230	220

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20268.70VOC	CDEMDMW20270.40VOC	CDEMDMW20272.00VOC	CDEMDMW20273.60VOC	CDEMDMW20276.60VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	268.7	270.4	272	273.6	276.6
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	230	250	190	290	490

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20279.20VOC	CDEMDMW20281.50VOC	CDEMDMW20282.70VOC	CDEMDMW20284.40VOC	CDEMDMW20285.60VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	279.2	281.5	282.7	284.4	285.6
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	440	380	520	360	540

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20288.30VOC	CDEMDMW20290.40VOC	CDEMDMW20291.80VOC	CDEMDMW20295.50VOC	CDEMDMW20297.60VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	288.3	290.4	291.8	295.5	297.6
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	380	520	300	610	460

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20298.10VOC	CDEMDMW20301.30VOC	CDEMDMW20303.20VOC	CDEMDMW20305.20VOC	CDEMDMW20306.50VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	298.1	301.3	303.2	305.2	306.5
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	140	110	110	250	140

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20310.60VOC	CDEMDMW20311.70VOC	CDEMDMW20314.20VOC	CDEMDMW20315.60VOC	CDEMDMW20317.30VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	310.6	311.7	314.2	315.6	317.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	85	130	100	95	260

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20319.30VOC	CDEMDMW20320.80VOC	CDEMDMW20323.70VOC	CDEMDMW20325.80VOC	CDEMDMW20327.20VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	319.3	320.8	323.7	325.8	327.2
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	440	310	370	350	130

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20329.00VOC	CDEMDMW20331.90VOC	CDEMDMW20334.00VOC	CDEMDMW20335.60VOC	CDEMDMW20337.10VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	329	331.9	334	335.6	337.1
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	190	300	120	260	17

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20339.60VOC	CDEMDMW20341.20VOC	CDEMDMW20344.20VOC	CDEMDMW20345.70VOC	CDEMDMW20347.50VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	339.6	341.2	344.2	345.7	347.5
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	64	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	210	240	190	370	150

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20349.30VOC	CDEMDMW20351.30VOC	CDEMDMW20354.00VOC	CDEMDMW20355.30VOC	CDEMDMW20357.00VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	349.3	351.3	354	355.3	357
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	42	27	28	33	2.3 J

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20359.50VOC	CDEMDMW20361.00VOC	CDEMDMW20364.00VOC	CDEMDMW20366.00VOC	CDEMDMW20369.00VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	359.5	361	364	366	369
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	8	ND	ND	ND	14
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	33	28	85	25	15

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20370.50VOC	CDEMDMW20371.80VOC	CDEMDMW20373.50VOC	CDEMDMW20376.10VOC	CDEMDMW20379.00VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	370.5	371.8	373.5	376.1	379
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	19	16	12	36	26

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20380.50VOC	CDEMDMW20381.50VOC	CDEMDMW20384.30VOC	CDEMDMW20387.10VOC	CDEMDMW20389.50VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	380.5	381.5	384.3	387.1	389.5
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	61	4.7 J	49	5.3	1.7 J

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20392.60VOC	CDEMDMW20394.40VOC	CDEMDMW20396.40VOC	CDEMDMW20400.70VOC	CDEMDMW20402.30VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	392.6	394.4	396.4	400.7	402.3
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	7.2	19	53	43	29

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-5
OU3 ESTIMATED PORE WATER CONCENTRATION DETECTIONS
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	CDEMDMW20403.70VOC	CDEMDMW20406.80VOC	CDEMDMW20409.50VOC	CDEMDMW20411.10VOC	CDEMDMW20412.40VOC
SAMPLE LOCATION (WELL ID)	MW-20-00	MW-20-00	MW-20-00	MW-20-00	MW-20-00
SAMPLE DEPTH (FT)	403.7	406.8	409.5	411.1	412.4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
Trichloroethene	28	36	31	41	29

Notes:

ND= non-detect

Any samples not listed had no detections for any of the compounds.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT1-01	CDE-MP-ERT1-02	CDE-MP-ERT1-03	CDE-MP-ERT1-04	CDE-MP-ERT1-05	CDE-MP-ERT1-06	CDE-MP-ERT1-07	CDE-MP-ERT1-08
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105	112-117	135-140
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	R	ND	R	ND	ND	ND
Aroclor-1254	0.5	ND	ND	0.6 J	ND	0.31 J	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	*	ND	*	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT2-01	CDE-MP-ERT2-02	CDE-MP-ERT2-03	CDE-MP-ERT2-04	CDE-MP-ERT2-05	CDE-MP-ERT2-06	CDE-MP-ERT2-07	CDE-MP-ERT3-01
LOCATION (WELL ID)		ERT-2-01	ERT-2-02	ERT-2-03	ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01
DEPTH (FT)		25-35	40-50	54-59	70-75	97-107	113-123	127-137	27-37
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/26/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	2 JN	ND	0.22 J	ND	0.25 JN	ND	ND	ND
Aroclor-1254	0.5	3.1 J	ND	0.15	ND	0.38	ND	ND	ND
PCBs (Aroclors)	0.5	5.1 J	ND	0.37 J	ND	0.63 J	ND	ND	ND

Notes:
 ND = non-detect
 R = rejected
 * = PCB detected but total could not be calculated due to rejected data
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
 Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT3-02	CDE-MP-ERT3-03	CDE-MP-MW29	CDE-MP-ERT3-04	CDE-MP-ERT3-05	CDE-MP-ERT3-06	CDE-MP-ERT4-01	CDE-MP-ERT4-02
LOCATION (WELL ID)		ERT-3-02	ERT-3-03	DUP of ERT3-03	ERT-3-04	ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02
DEPTH (FT)		55-65	90-105	90-105	110-120	124-134	138-148	27-37	46-56
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME		CDE-MP-ERT4-03	CDE-MP-ERT4-04	CDE-MP-ERT4-05	CDE-MP-ERT4-06	CDE-MP-ERT4-07	CDE-MP-ERT5-01	CDE-MP-ERT5-02	CDE-MP-ERT5-03
LOCATION (WELL ID)	Potential	ERT-4-03	ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03
DEPTH (FT)	Cleanup	61-66	83-88	91-106	111-116	128-138	24-34	37-47	50-60
MATRIX	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/13/2009	10/13/2009	10/13/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	R	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	*	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT5-04	CDE-MP-ERT5-05	CDE-MP-ERT5-06	CDE-MP-ERT6-01	CDE-MP-MW26	CDE-MP-ERT6-02	CDE-MP-ERT6-03	CDE-MP-ERT6-04
LOCATION (WELL ID)		ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01	DUP of ERT6-01	ERT-6-02	ERT-6-03	ERT-6-04
DEPTH (FT)		77-87	93-98	120-130	26-36	26-36	75-85	93-103	107-117
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/13/2009	10/13/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	0.24	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	0.24	ND	ND

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME		CDE-MP-ERT6-05	CDE-MP-ERT7-01	CDE-MP-ERT7-02	CDE-MP-ERT7-03	CDE-MP-ERT7-04	CDE-MP-ERT7-05	CDE-MP-ERT8-01	CDE-MP-ERT8-02
LOCATION (WELL ID)	Potential	ERT-6-05	ERT-7-01	ERT-7-02	ERT-7-03	ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02
DEPTH (FT)	Cleanup	128-138	25-35	45-55	65-75	100-110	130-140	17-27	31-41
MATRIX	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/26/2009	10/26/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	0.058	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	0.058	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT8-03	CDE-MP-MW30-02	CDE-MP-ERT8-04	CDE-MP-ERT8-05	CDE-MP-ERT8-06	CDE-MP-ERT8-07	CDE-MP-FPW-01	CDE-MP-FPW-02
LOCATION (WELL ID)		ERT-8-03	DUP of ERT8-03	ERT-8-04	ERT-8-05	ERT-8-06	ERT-8-07	FPW-01	FPW-02
DEPTH (FT)		44-54	44-54	57-62	87-97	107-112	135-145	31-41	46-51
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/27/2009	10/27/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	R	R	ND	R	ND
Aroclor-1254	0.5	ND	ND	ND	5.4 J	3.8 J	ND	5.8 J	ND
PCBs (Aroclors)	0.5	ND	ND	ND	*	*	ND	*	ND

Notes:
 ND = non-detect
 R = rejected
 * = PCB detected but total could not be calculated due to rejected data
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-FPW-03	CDE-MP-FPW-04	CDE-MP-FPW-05	CDE-MP-FPW-06	CDE-MP-FPW-07	CDE-MP-FPW-08	CDE-MP-FPW-09	CDE-LF-MW01A
LOCATION (WELL ID)		FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08	FPW-09	MW-01A
DEPTH (FT)		100-110	125-135	180-190	200-205	235-245	268-278	300-310	24-49
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/14/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	ND	ND	ND	R	3.3
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	6.9 J	2.5
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	*	5.8

Notes:

ND = non-detect

R = rejected

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME		CDE-LF-MW02A	CDE-LF-MW03	CDE-LF-MW04	CDE-MP-MW23	CDE-LF-MW05	CDE-LF-MW06	CDE-LF-MW07	CDE-LF-MW08	CDE-LF-MW09
LOCATION (WELL ID)	Potential	MW-02A	MW-03	MW-04	DUP of MW-04	MW-05	MW-06	MW-07	MW-08	MW-09
DEPTH (FT)	Cleanup	24-49	17-32	29-49	29-49	25-45.5	29-44	43-58	42-57.5	29-54
MATRIX	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/14/2009	10/14/2009	10/14/2009	10/13/2009	10/15/2009	10/15/2009	10/16/2009	10/14/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	3	1.5 J	2.8	1.4	ND	ND	R	ND
Aroclor-1254	0.5	ND	2.1	0.98	1.8	0.6 J	ND	ND	0.097 J	ND
PCBs (Aroclors)	0.5	ND	5.1	2.48 J	4.6	2 J	ND	ND	*	ND

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-LF-MW10	CDE-LF-MW11	CDE-LF-MW12	CDE-MP-MW13-01	CDE-MP-MW13-02	CDE-MP-MW13-03	CDE-MP-MW13-04	CDE-MP-MW13-05
LOCATION (WELL ID)		MW-10	MW-11	MW-12	MW-13-01	MW-13-02	MW-13-03	MW-13-04	MW-13-05
DEPTH (FT)		37-52	34-59	35-60	18-28	35-45	63-73	95-105	115-125
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/15/2009	10/15/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	17	R	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	10 J	3.5 JN	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	27 J	*	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

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The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW13-06	CDE-MP-MW13-07	CDE-MP-MW14D-01	CDE-MP-MW14D-02	CDE-MP-MW14D-03	CDE-MP-MW14S-01	CDE-MP-MW14S-02
LOCATION (WELL ID)		MW-13-06	MW-13-07	MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02
DEPTH (FT)		150-160	230-240	80-85	123-133	199-209	30-35	41-46
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/21/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	1.1	1.9	2.2 P	40 J	2.7
Aroclor-1254	0.5	ND	0.11 J	1	2	0.72	41	2.5
PCBs (Aroclors)	0.5	ND	0.11 J	2.1	3.9	2.92 P	81 J	4.2

Notes:
 ND = non-detect
 R = rejected
 * = PCB detected but total could not be calculated due to rejected data
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW14S-03	CDE-MP-MW14S-04	CDE-MP-MW15D-01	CDE-MP-MW15D-02	CDE-MP-MW25	CDE-MP-MW15S-01	CDE-MP-MW15S-02
LOCATION (WELL ID)		MW-14S-03	MW-14S-04	MW-15D-01	MW-15D-02	DUP of MW15D-02	MW-15S-01	MW-15S-02
DEPTH (FT)		55-60	65-70	125-135	185-195	185-195	30-40	70-80
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/14/2009	10/14/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	23	7300 J	0.18 JN	ND	0.2 JN	ND	ND
Aroclor-1254	0.5	19	5600 J	0.2	ND	0.31	ND	ND
PCBs (Aroclors)	0.5	41	12900 J	0.38 J	ND	0.51 J	ND	ND

Notes:

ND = non-detect

R = rejected

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The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW16-01	CDE-MP-MW16-02	CDE-MP-MW16-03	CDE-MP-MW16-04	CDE-MP-MW16-05	CDE-MP-MW16-06	CDE-MP-MW16-07
LOCATION (WELL ID)		MW-16-01	MW-16-02	MW-16-03	MW-16-04	MW-16-05	MW-16-06	MW-16-07
DEPTH (FT)		20-30	40-50	85-95	108-118	135-145	170-180	195-205
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/22/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/22/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	0.19 J	ND	ND	ND	0.071 J
PCBs (Aroclors)	0.5	ND	ND	0.19 J	ND	ND	ND	0.071 J

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW17-01	CDE-MP-MW17-02	CDE-MP-MW17-03	CDE-MP-MW18-01	CDE-MP-MW18-02	CDE-MP-MW19-01	CDE-MP-MW19-02
LOCATION (WELL ID)		MW-17-01	MW-17-02	MW-17-03	MW-18-01	MW-18-02	MW-19-01	MW-19-02
DEPTH (FT)		170-180	205-215	235-245	160-170	210-220	65-75	132-142
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/20/2009	10/20/2009	10/13/2009	10/13/2009	10/15/2009	10/15/2009
Aroclor-1016	0.5	ND	0.13	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	ND	ND	ND	1.8 JN
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	2.9 J
PCBs (Aroclors)	0.5	ND	0.13	ND	ND	ND	ND	4.7 J

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW19-03	CDE-MP-MW19-04	CDE-MP-MW19-05	CDE-MP-MW19-06	CDE-MP-MW19-07	CDE-MP-MW20-01	CDE-MP-MW20-02
LOCATION (WELL ID)		MW-19-03	MW-19-04	MW-19-05	MW-19-06	MW-19-07	MW-20-01	MW-20-02
DEPTH (FT)		200-210	257-267	367-377	480-490	545-555	25-35	85-95
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/15/2009	10/16/2009	10/15/2009	10/15/2009	10/15/2009	10/16/2009	10/16/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	ND	ND	1.2	1.6
Aroclor-1254	0.5	ND	ND	ND	ND	ND	1 J	1.1
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	2.2 J	2.7

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW24	CDE-MP-MW20-03	CDE-MP-MW20-04	CDE-MP-MW20-05	CDE-MP-MW20-06	CDE-MP-MW20-07	CDE-MP-MW20-08
LOCATION (WELL ID)		DUP of MW-20-02	MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07	MW-20-08
DEPTH (FT)		85-95	125-135	175-185	205-215	250-260	297-307	355-365
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/16/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW21-01	CDE-MP-MW21-02	CDE-MP-MW21-03	CDE-MP-MW21-04	CDE-MP-MW21-05	CDE-MP-MW21-06	CDE-MP-MW21-07
LOCATION (WELL ID)		MW-21-01	MW-21-02	MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07
DEPTH (FT)		50-60	87-97	150-160	205-215	260-270	428-438	485-495
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/23/2009	10/22/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW21-08	CDE-MP-MW28-03	CDE-MP-MW22-01	CDE-MP-MW22-02	CDE-MP-MW22-03	CDE-MP-MW22-04
LOCATION (WELL ID)		MW-21-08	DUP of MW-21-08	MW-22-01	MW-22-02	MW-22-03	MW-22-04
DEPTH (FT)		505-515	505-515	45-55	125-135	210-220	305-315
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/22/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND
Aroclor-1248	0.5	ND	ND	0.45 J	ND	ND	ND
Aroclor-1254	0.5	ND	ND	R	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	*	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs)(40 CFR 141),the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME		CDE-MP-ERT1-01	CDE-MP-ERT1-02	CDE-MP-ERT1-03	CDE-MP-ERT1-04	CDE-MP-ERT1-05	CDE-MP-ERT1-06	CDE-MP-ERT1-07	CDE-MP-ERT1-08
LOCATION (WELL ID)	Potential	ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08
DEPTH (FT)	Cleanup	24-29	33-43	46-56	59-64	67-77	100-105	112-117	135-140
MATRIX	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009
4,4'-DDD	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	R	R	R	R	R	R	R	R
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME		CDE-MP-ERT2-01	CDE-MP-ERT2-02	CDE-MP-ERT2-03	CDE-MP-ERT2-04	CDE-MP-ERT2-05	CDE-MP-ERT2-06	CDE-MP-ERT2-07	CDE-MP-ERT3-01
LOCATION (WELL ID)	Potential	ERT-2-01	ERT-2-02	ERT-2-03	ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01
DEPTH (FT)	Cleanup	25-35	40-50	54-59	70-75	97-107	113-123	127-137	27-37
MATRIX	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/26/2009
4,4'-DDD	0.1	ND	ND	ND	ND	ND	ND	R	R
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	ND	ND	ND	ND	ND	ND	R
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT3-02	CDE-MP-ERT3-03	CDE-MP-MW29	CDE-MP-ERT3-04	CDE-MP-ERT3-05	CDE-MP-ERT3-06	CDE-MP-ERT4-01	CDE-MP-ERT4-02
LOCATION (WELL ID)		ERT-3-02	ERT-3-03	DUP of ERT3-03	ERT-3-04	ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02
DEPTH (FT)		55-65	90-105	90-105	110-120	124-134	138-148	27-37	46-56
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009
4,4'-DDD	0.1	R	ND	R	R	R	R	0.11 JN	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	0.16	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	R	R	R	R	R	R	R	R
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME		CDE-MP-ERT4-03	CDE-MP-ERT4-04	CDE-MP-ERT4-05	CDE-MP-ERT4-06	CDE-MP-ERT4-07	CDE-MP-ERT5-01	CDE-MP-ERT5-02	CDE-MP-ERT5-03
LOCATION (WELL ID)	Potential	ERT-4-03	ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03
DEPTH (FT)	Cleanup	61-66	83-88	91-106	111-116	128-138	24-34	37-47	50-60
MATRIX	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/13/2009	10/13/2009	10/13/2009
4,4'-DDD	0.1	R	R	R	R	R	ND	ND	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	R	R	R	R	R	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT5-04	CDE-MP-ERT5-05	CDE-MP-ERT5-06	CDE-MP-ERT6-01	CDE-MP-MW26	CDE-MP-ERT6-02	CDE-MP-ERT6-03	CDE-MP-ERT6-04
LOCATION (WELL ID)		ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01	DUP of ERT6-01	ERT-6-02	ERT-6-03	ERT-6-04
DEPTH (FT)		77-87	93-98	120-130	26-36	26-36	75-85	93-103	107-117
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/13/2009	10/13/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009
4,4'-DDD	0.1	ND	ND	ND	R	R	R	R	R
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME		CDE-MP-ERT6-05	CDE-MP-ERT7-01	CDE-MP-ERT7-02	CDE-MP-ERT7-03	CDE-MP-ERT7-04	CDE-MP-ERT7-05	CDE-MP-ERT8-01	CDE-MP-ERT8-02
LOCATION (WELL ID)	Potential	ERT-6-05	ERT-7-01	ERT-7-02	ERT-7-03	ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02
DEPTH (FT)	Cleanup	128-138	25-35	45-55	65-75	100-110	130-140	17-27	31-41
MATRIX	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/26/2009	10/26/2009
4,4'-DDD	0.1	R	R	R	R	R	R	ND	R
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	R	ND	R	R	R	R	R
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT8-03	CDE-MP-MW30-02	CDE-MP-ERT8-04	CDE-MP-ERT8-05	CDE-MP-ERT8-06	CDE-MP-ERT8-07	CDE-MP-FPW-01	CDE-MP-FPW-02
LOCATION (WELL ID)		ERT-8-03	DUP of ERT8-03	ERT-8-04	ERT-8-05	ERT-8-06	ERT-8-07	FPW-01	FPW-02
DEPTH (FT)		44-54	44-54	57-62	87-97	107-112	135-145	31-41	46-51
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/27/2009	10/27/2009
4,4'-DDD	0.1	ND	ND	ND	0.25 J	0.2 J	ND	R	R
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	0.53	0.41	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	0.09 J	0.087 J	ND	ND	ND
delta-BHC	N/A	R	R	R	R	R	R	R	R
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
 ND = non-detect
 R = rejected
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
 Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-FPW-03	CDE-MP-FPW-04	CDE-MP-FPW-05	CDE-MP-FPW-06	CDE-MP-FPW-07	CDE-MP-FPW-08	CDE-MP-FPW-09	CDE-LF-MW01A
LOCATION (WELL ID)		FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08	FPW-09	MW-01A
DEPTH (FT)		100-110	125-135	180-190	200-205	235-245	268-278	300-310	24-49
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/14/2009
4,4'-DDD	0.1	ND	R	R	R	ND	ND	R	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	R	R	R	R	R	R	R	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-LF-MW02A	CDE-LF-MW03	CDE-LF-MW04	CDE-MP-MW23	CDE-LF-MW05	CDE-LF-MW06	CDE-LF-MW07	CDE-LF-MW08	CDE-LF-MW09
LOCATION (WELL ID)		MW-02A	MW-03	MW-04	DUP of MW-04	MW-05	MW-06	MW-07	MW-08	MW-09
DEPTH (FT)		24-49	17-32	29-49	29-49	25-45.5	29-44	43-58	42-57.5	29-54
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/14/2009	10/14/2009	10/14/2009	10/13/2009	10/15/2009	10/15/2009	10/16/2009	10/14/2009
4,4'-DDD	0.1	ND	ND	ND	0.13 JN	ND	ND	ND	0.13 JN	0.62
4,4'-DDE	0.1	ND	ND	ND	0.12 JN	ND	ND	ND	0.12 J	ND
4,4'-DDT	0.1	0.13	ND	ND	0.29 JN	ND	ND	ND	0.28 J	1.2 J
alpha-BHC	0.02	ND	ND	0.13 J	0.15 J	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	ND	ND	ND	ND	ND	ND	0.34 J	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	R	ND
Heptachlor	0.05	ND	ND	0.054 J	0.069	ND	ND	ND	0.15	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-LF-MW10	CDE-LF-MW11	CDE-LF-MW12	CDE-MP-MW13-01	CDE-MP-MW13-02	CDE-MP-MW13-03	CDE-MP-MW13-04	CDE-MP-MW13-05
LOCATION (WELL ID)		MW-10	MW-11	MW-12	MW-13-01	MW-13-02	MW-13-03	MW-13-04	MW-13-05
DEPTH (FT)		37-52	34-59	35-60	18-28	35-45	63-73	95-105	115-125
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/15/2009	10/15/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
4,4'-DDD	0.1	ND	0.63 JN	0.33 JN	R	R	R	R	R
4,4'-DDE	0.1	ND	0.69 J	1.1 J	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	1.4 J	0.75 J	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	0.33 JN	0.18 JN	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	ND	3.6 J	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	0.51 J	1.4	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	2.6 JN	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
 ND = non-detect
 R = rejected
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
 Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW13-06	CDE-MP-MW13-07	CDE-MP-MW14D-01	CDE-MP-MW14D-02	CDE-MP-MW14D-03	CDE-MP-MW14S-01	CDE-MP-MW14S-02
LOCATION (WELL ID)		MW-13-06	MW-13-07	MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02
DEPTH (FT)		150-160	230-240	80-85	123-133	199-209	30-35	41-46
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/21/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
4,4'-DDD	0.1	R	R	ND	ND	ND	2.2 JN	0.99 JN
4,4'-DDE	0.1	ND	ND	ND	ND	ND	1.6 JN	0.72 J
4,4'-DDT	0.1	ND	ND	0.48 JN	0.78 J	ND	4.5 J	2.2 J
alpha-BHC	0.02	ND	ND	ND	ND	ND	0.14 JN	ND
beta-BHC	0.04	ND	ND	ND	ND	0.18 J	0.97 J	0.28 J
delta-BHC	N/A	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	0.18 JN	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	0.49	0.14
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW14S-03	CDE-MP-MW14S-04	CDE-MP-MW15D-01	CDE-MP-MW15D-02	CDE-MP-MW25	CDE-MP-MW15S-01	CDE-MP-MW15S-02
LOCATION (WELL ID)		MW-14S-03	MW-14S-04	MW-15D-01	MW-15D-02	DUP of MW15D-02	MW-15S-01	MW-15S-02
DEPTH (FT)		55-60	65-70	125-135	185-195	185-195	30-40	70-80
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/14/2009	10/14/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
4,4'-DDD	0.1	1.2 J	1800 JN	ND	ND	ND	ND	ND
4,4'-DDE	0.1	1	1600 J	ND	ND	ND	ND	ND
4,4'-DDT	0.1	2.2 J	4000 J	0.25	ND	ND	ND	ND
alpha-BHC	0.02	0.12 JN	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	680	ND	ND	ND	ND	ND
delta-BHC	N/A	ND	880 J	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	0.25	300	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW16-01	CDE-MP-MW16-02	CDE-MP-MW16-03	CDE-MP-MW16-04	CDE-MP-MW16-05	CDE-MP-MW16-06	CDE-MP-MW16-07
LOCATION (WELL ID)		MW-16-01	MW-16-02	MW-16-03	MW-16-04	MW-16-05	MW-16-06	MW-16-07
DEPTH (FT)		20-30	40-50	85-95	108-118	135-145	170-180	195-205
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/22/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/22/2009
4,4'-DDD	0.1	R	R	R	R	R	R	R
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	0.16	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	R	R	R	ND	R	R	R
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW17-01	CDE-MP-MW17-02	CDE-MP-MW17-03	CDE-MP-MW18-01	CDE-MP-MW18-02	CDE-MP-MW19-01	CDE-MP-MW19-02
LOCATION (WELL ID)		MW-17-01	MW-17-02	MW-17-03	MW-18-01	MW-18-02	MW-19-01	MW-19-02
DEPTH (FT)		170-180	205-215	235-245	160-170	210-220	65-75	132-142
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/20/2009	10/20/2009	10/13/2009	10/13/2009	10/15/2009	10/15/2009
4,4'-DDD	0.1	ND	ND	R	ND	ND	ND	0.57
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	0.17 JN
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	1.1 JN
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	0.06 J
delta-BHC	N/A	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW19-03	CDE-MP-MW19-04	CDE-MP-MW19-05	CDE-MP-MW19-06	CDE-MP-MW19-07	CDE-MP-MW20-01	CDE-MP-MW20-02
LOCATION (WELL ID)		MW-19-03	MW-19-04	MW-19-05	MW-19-06	MW-19-07	MW-20-01	MW-20-02
DEPTH (FT)		200-210	257-267	367-377	480-490	545-555	25-35	85-95
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/15/2009	10/16/2009	10/15/2009	10/15/2009	10/15/2009	10/16/2009	10/16/2009
4,4'-DDD	0.1	0.19 J	ND	ND	ND	ND	0.76 JN	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	0.75 J	ND
4,4'-DDT	0.1	0.36 J	ND	ND	0.21 J	ND	1.5 J	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND		ND
beta-BHC	0.04	ND	ND	ND	ND	ND	0.35	ND
delta-BHC	N/A	ND	ND	ND	ND	ND	0.42	ND
Dieldrin	0.03	ND	ND	ND	ND	ND		ND
Heptachlor	0.05	ND	ND	ND	ND	ND	0.2	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND		ND
Methoxychlor	40	ND	ND	ND	ND	ND		ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW24	CDE-MP-MW20-03	CDE-MP-MW20-04	CDE-MP-MW20-05	CDE-MP-MW20-06	CDE-MP-MW20-07	CDE-MP-MW20-08
LOCATION (WELL ID)		DUP of MW-20-02	MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07	MW-20-08
DEPTH (FT)		85-95	125-135	175-185	205-215	250-260	297-307	355-365
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/16/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
4,4'-DDD	0.1	ND	R	R	R	R	R	R
4,4'-DDE	0.1	0.62 JN	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	1.7 JN	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	0.3	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	0.34 J	ND	ND	R	ND	R	R
Dieldrin	0.03	0.61 JN	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	0.16	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	0.38 J	ND	ND	ND	ND	ND	ND

Notes:

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW21-01	CDE-MP-MW21-02	CDE-MP-MW21-03	CDE-MP-MW21-04	CDE-MP-MW21-05	CDE-MP-MW21-06	CDE-MP-MW21-07
LOCATION (WELL ID)		MW-21-01	MW-21-02	MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07
DEPTH (FT)		50-60	87-97	150-160	205-215	260-270	428-438	485-495
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/23/2009	10/22/2009
4,4'-DDD	0.1	R	R	R	R	R	R	R
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	R	R	R	R	R	R	R
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW21-08	CDE-MP-MW28-03	CDE-MP-MW22-01	CDE-MP-MW22-02	CDE-MP-MW22-03	CDE-MP-MW22-04
LOCATION (WELL ID)		MW-21-08	DUP of MW-21-08	MW-22-01	MW-22-02	MW-22-03	MW-22-04
DEPTH (FT)		505-515	505-515	45-55	125-135	210-220	305-315
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/22/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
4,4'-DDD	0.1	R	R	ND	ND	ND	ND
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	ND	ND	ND	ND	ND	ND
delta-BHC	N/A	R	R	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT1-01	CDE-MP-ERT1-02	CDE-MP-ERT1-03	CDE-MP-ERT1-04	CDE-MP-ERT1-05	CDE-MP-ERT1-06
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	R	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	R	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	R	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	R	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	R	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	R	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	1.4	1.3	0.67	0.69	0.76	0.96
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	0.37 J	0.33 J	0.4 J	0.86	1	9.5
Methylene chloride	3	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	0.62	0.51	ND	ND	ND	ND
Toluene	600	ND	ND	ND	ND	ND	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT1-01	CDE-MP-ERT1-02	CDE-MP-ERT1-03	CDE-MP-ERT1-04	CDE-MP-ERT1-05	CDE-MP-ERT1-06
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND
Trichloroethene	1	3.7	3.7	0.97	0.79	0.72 J	0.7
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT1-07	CDE-MP-ERT1-08	CDE-MP-ERT2-01	CDE-MP-ERT2-02	CDE-MP-ERT2-03	CDE-MP-ERT2-04	CDE-MP-ERT2-05
LOCATION (WELL ID)		ERT-1-07	ERT-1-08	ERT-2-01	ERT-2-02	ERT-2-03	ERT-2-04	ERT-2-05
DEPTH (FT)		112-117	135-140	25-35	40-50	54-59	70-75	97-107
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	3	ND
cis-1,2-Dichloroethene	70	0.73	3.2	26	47	26	76	89
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	28	74	330	3.1 J	2.6 J	7.1	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	ND	ND	ND
Toluene	600	ND	ND	ND	ND	ND	ND	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT1-07	CDE-MP-ERT1-08	CDE-MP-ERT2-01	CDE-MP-ERT2-02	CDE-MP-ERT2-03	CDE-MP-ERT2-04	CDE-MP-ERT2-05
LOCATION (WELL ID)		ERT-1-07	ERT-1-08	ERT-2-01	ERT-2-02	ERT-2-03	ERT-2-04	ERT-2-05
DEPTH (FT)		112-117	135-140	25-35	40-50	54-59	70-75	97-107
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	0.52 J	1.7	1800	740	850	440	1900
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey

Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT2-06	CDE-MP-ERT2-07	CDE-MP-ERT3-01	CDE-MP-ERT3-02	CDE-MP-ERT3-03	CDE-MP-MW29	CDE-MP-ERT3-04
LOCATION (WELL ID)		ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03	DUP of ERT3-03	ERT-3-04
DEPTH (FT)		113-123	127-137	27-37	55-65	90-105	90-105	110-120
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/20/2009	10/26/2009	10/26/2009	10/26/2009	10/26.2009	10/26/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	72	460	15	7.2	14	11	30
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	0.35 J	0.52	1.2 J	1.2	1.1
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	21	ND	ND	ND	ND	0.26 J
Toluene	600	ND	ND	ND	ND	ND	ND	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT2-06	CDE-MP-ERT2-07	CDE-MP-ERT3-01	CDE-MP-ERT3-02	CDE-MP-ERT3-03	CDE-MP-MW29	CDE-MP-ERT3-04
LOCATION (WELL ID)		ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03	DUP of ERT3-03	ERT-3-04
DEPTH (FT)		113-123	127-137	27-37	55-65	90-105	90-105	110-120
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/20/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	1700	2800	4.1	4.2 J	37	27 J	59 J
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey

Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT3-05	CDE-MP-ERT3-06	CDE-MP-ERT4-01	CDE-MP-ERT4-02	CDE-MP-ERT4-03	CDE-MP-ERT4-04	CDE-MP-ERT4-05
LOCATION (WELL ID)		ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04	ERT-4-05
DEPTH (FT)		124-134	138-148	27-37	46-56	61-66	83-88	91-106
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	450	540	20	23	29	66	52
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	6.1 J	6.5	ND	ND	ND	ND	ND
Toluene	600	ND	ND	ND	ND	ND	ND	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT3-05	CDE-MP-ERT3-06	CDE-MP-ERT4-01	CDE-MP-ERT4-02	CDE-MP-ERT4-03	CDE-MP-ERT4-04	CDE-MP-ERT4-05
LOCATION (WELL ID)		ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04	ERT-4-05
DEPTH (FT)		124-134	138-148	27-37	46-56	61-66	83-88	91-106
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009
trans-1,2-Dichloroethene	100	ND	8	ND	ND	ND	ND	ND
Trichloroethene	1	1400	1600	93 J	150	190	330	300 J
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey

Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT4-06	CDE-MP-ERT4-07	CDE-MP-ERT5-01	CDE-MP-ERT5-02	CDE-MP-ERT5-03	CDE-MP-ERT5-04	CDE-MP-ERT5-05
LOCATION (WELL ID)		ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05
DEPTH (FT)		111-116	128-138	24-34	37-47	50-60	77-87	93-98
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/13/2009	10/13/2009	10/13/2009	10/13/2009	10/13/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	1.8	0.61	0.62	ND	1.4
Carbon tetrachloride	1	ND	ND	ND	ND	0.36 J	0.46 J	0.46 J
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	85	61	ND	ND	ND	ND	0.36 J
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	0.51	ND	ND	ND	0.34 J
Methyl acetate	7000	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	1.2	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	ND	ND	ND
Toluene	600	ND	ND	ND	ND	ND	ND	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT4-06	CDE-MP-ERT4-07	CDE-MP-ERT5-01	CDE-MP-ERT5-02	CDE-MP-ERT5-03	CDE-MP-ERT5-04	CDE-MP-ERT5-05
LOCATION (WELL ID)		ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05
DEPTH (FT)		111-116	128-138	24-34	37-47	50-60	77-87	93-98
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/13/2009	10/13/2009	10/13/2009	10/13/2009	10/13/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	560	290	ND	ND	0.48 J	0.95	2.4
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey

Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT5-06	CDE-MP-ERT6-01	CDE-MP-MW26	CDE-MP-ERT6-02	CDE-MP-ERT6-03	CDE-MP-ERT6-04	CDE-MP-ERT6-05
LOCATION (WELL ID)		ERT-5-06	ERT-6-01	DUP of ERT6-01	ERT-6-02	ERT-6-03	ERT-6-04	ERT-6-05
DEPTH (FT)		120-130	26-36	26-36	75-85	93-103	107-117	128-138
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	2	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	0.78	ND	ND
cis-1,2-Dichloroethene	70	2	0.9	0.76	0.27 J	ND	3.6	4.2
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	0.54	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	1.4	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	ND	ND	ND
Toluene	600	ND	0.39 J	ND	ND	ND	ND	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT5-06	CDE-MP-ERT6-01	CDE-MP-MW26	CDE-MP-ERT6-02	CDE-MP-ERT6-03	CDE-MP-ERT6-04	CDE-MP-ERT6-05
LOCATION (WELL ID)		ERT-5-06	ERT-6-01	DUP of ERT6-01	ERT-6-02	ERT-6-03	ERT-6-04	ERT-6-05
DEPTH (FT)		120-130	26-36	26-36	75-85	93-103	107-117	128-138
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	28	ND	ND	0.55	0.8	6.5	45
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey

Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT7-01	CDE-MP-ERT7-02	CDE-MP-ERT7-03	CDE-MP-ERT7-04	CDE-MP-ERT7-05	CDE-MP-ERT8-01	CDE-MP-ERT8-02
LOCATION (WELL ID)		ERT-7-01	ERT-7-02	ERT-7-03	ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02
DEPTH (FT)		25-35	45-55	65-75	100-110	130-140	17-27	31-41
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/26/2009	10/26/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	4.9 J	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	0.59	0.64	ND	ND	0.92	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	1.1	1.4	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	ND	ND	ND	1.4	15	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	3	ND	ND
Toluene	600	0.52	2.1	0.81	1.5	4.7	ND	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT7-01	CDE-MP-ERT7-02	CDE-MP-ERT7-03	CDE-MP-ERT7-04	CDE-MP-ERT7-05	CDE-MP-ERT8-01	CDE-MP-ERT8-02
LOCATION (WELL ID)		ERT-7-01	ERT-7-02	ERT-7-03	ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02
DEPTH (FT)		25-35	45-55	65-75	100-110	130-140	17-27	31-41
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/26/2009	10/26/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	ND	ND	0.88	20	43 J	ND	ND
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey

Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT8-03	CDE-MP-MW30-02	CDE-MP-ERT8-04	CDE-MP-ERT8-05	CDE-MP-ERT8-06	CDE-MP-ERT8-07	CDE-MP-FPW-01
LOCATION (WELL ID)		ERT-8-03	DUP of ERT8-03	ERT-8-04	ERT-8-05	ERT-8-06	ERT-8-07	FPW-01
DEPTH (FT)		44-54	44-54	57-62	87-97	107-112	135-145	31-41
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/27/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	1.2
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	2.6
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	5.5
Acetone	6000	ND	ND	ND	ND	ND	ND	24
Benzene	1	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	ND	ND	ND	ND	ND	ND	1100
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND	0.56
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	ND	ND	0.63
Toluene	600	ND	ND	33	ND	20	0.66	15

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT8-03	CDE-MP-MW30-02	CDE-MP-ERT8-04	CDE-MP-ERT8-05	CDE-MP-ERT8-06	CDE-MP-ERT8-07	CDE-MP-FPW-01
LOCATION (WELL ID)		ERT-8-03	DUP of ERT8-03	ERT-8-04	ERT-8-05	ERT-8-06	ERT-8-07	FPW-01
DEPTH (FT)		44-54	44-54	57-62	87-97	107-112	135-145	31-41
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/27/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	9.7
Trichloroethene	1	ND	ND	ND	ND	ND	0.29 J	150
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	200
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND	ND

Notes:
ND = non-detect
R = rejected
The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-FPW-02	CDE-MP-FPW-03	CDE-MP-FPW-04	CDE-MP-FPW-05	CDE-MP-FPW-06	CDE-MP-FPW-07	CDE-MP-FPW-08
LOCATION (WELL ID)		FPW-02	FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08
DEPTH (FT)		46-51	100-110	125-135	180-190	200-205	235-245	268-278
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009
1,1,1-Trichloroethane	30	R	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	R	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	R	ND	ND	0.47 J	ND	ND	ND
1,1-Dichloroethane	50	R	ND	0.7	1.1	0.67	0.64 J	0.8
1,1-Dichloroethene	1	R	ND	3.5	3.6	2.4	2.2	ND
1,2,3-Trichlorobenzene	N/A	R	ND	0.53	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	R	ND	1.5	0.39 J	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	R	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	R	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	R	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	R	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	R	ND	0.67	ND	ND	ND	ND
2-Butanone	300	R	ND	ND	ND	ND	ND	ND
Acetone	6000	R	ND	ND	31	24	3.6 J	4.6 J
Benzene	1	R	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	R	ND	ND	ND	ND	ND	ND
Bromoform	4	R	ND	ND	ND	ND	ND	0.58
Carbon tetrachloride	1	R	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	R	ND	0.45 J	ND	ND	ND	ND
Chloroform	70	R	ND	ND	0.85	0.73	ND	ND
cis-1,2-Dichloroethene	70	R	2000	140	220	92	94	90 J
Cyclohexane	N/A	R	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	R	ND	ND	ND	ND	ND	0.28 J
Methyl acetate	7000	R	ND	ND	ND	ND	ND	R
Methyl tert-butyl ether	70	R	ND	3.7	8	4 J	4.2 J	19
Methylene chloride	3	R	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	R	ND	ND	ND	ND	ND	R
Tetrachloroethene	1	R	ND	2.5	0.99	0.61	0.53	0.47 J
Toluene	600	R	ND	2.3	2.1	3	8	3.4

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-FPW-02	CDE-MP-FPW-03	CDE-MP-FPW-04	CDE-MP-FPW-05	CDE-MP-FPW-06	CDE-MP-FPW-07	CDE-MP-FPW-08
LOCATION (WELL ID)		FPW-02	FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08
DEPTH (FT)		46-51	100-110	125-135	180-190	200-205	235-245	268-278
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009
trans-1,2-Dichloroethene	100	R	ND	0.62	1.2	0.49 J	0.36 J	R
Trichloroethene	1	R	2800	240 J	230 J	80 J	82	62 J
Trichlorofluoromethane	2000	R	ND	ND	ND	ND	ND	R
Vinyl chloride	1	R	ND	2.4	3.8	2.9	1.7 J	1.9
Xylenes (Total)	1,000	R	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-FPW-09	CDE-LF-MW01A	CDE-LF-MW02A	CDE-LF-MW03	CDE-LF-MW04	CDE-MP-MW23	CDE-LF-MW05	CDE-LF-MW06
LOCATION (WELL ID)		FPW-09	MW-01A	MW-02A	MW-03	MW-04	DUP of MW-04	MW-05	MW-06
DEPTH (FT)		300-310	24-49	24-49	17-32	29-49	29-49	25-45.5	29-44
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/14/2009	10/13/2009	10/14/2009	10/14/2009	10/14/2009	10/13/2009	10/15/2009
1,1,1-Trichloroethane	30	ND	0.32 J	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	1.2	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	1.8	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	0.41 J	1.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	13 J	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	0.97	ND	ND	ND	ND	1.7	ND
1,2,4-Trichlorobenzene	9	ND	2	ND	120	ND	ND	6.3	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	0.65	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	0.79	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	0.65	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	2.9 J	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	0.52	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	0.31 J	ND	ND	0.37 J	38 J	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	37	1400	2.9	13000	4600	4500	10	8800
Cyclohexane	N/A	ND	ND	2.2	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	4.4	ND	ND	ND	ND	ND	1.3	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	1.5	ND	ND	ND	ND	6	1600
Toluene	600	1.3	ND	ND	ND	ND	ND	ND	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-FPW-09	CDE-LF-MW01A	CDE-LF-MW02A	CDE-LF-MW03	CDE-LF-MW04	CDE-MP-MW23	CDE-LF-MW05	CDE-LF-MW06
LOCATION (WELL ID)		FPW-09	MW-01A	MW-02A	MW-03	MW-04	DUP of MW-04	MW-05	MW-06
DEPTH (FT)		300-310	24-49	24-49	17-32	29-49	29-49	25-45.5	29-44
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/14/2009	10/13/2009	10/14/2009	10/14/2009	10/14/2009	10/13/2009	10/15/2009
trans-1,2-Dichloroethene	100	ND	14 J	ND	48 J	0.26 J	ND	ND	34 J
Trichloroethene	1	16	2000	0.53	12000	320	320	42	9600
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	51 J	ND	44 J	1.4	140	ND	78
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey

Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-LF-MW07	CDE-LF-MW08	CDE-LF-MW09	CDE-LF-MW10	CDE-LF-MW11	CDE-LF-MW12	CDE-MP-MW13-01
LOCATION (WELL ID)		MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	MW-13-01
DEPTH (FT)		43-58	42-57.5	29-54	37-52	34-59	35-60	18-28
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/15/2009	10/16/2009	10/14/2009	10/13/2009	10/15/2009	10/15/2009	10/21/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	19	ND	0.64	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	63	150 J	1.2	ND	320 J	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	0.39 J	ND	ND
1,2-Dichlorobenzene	600	ND	ND	3.7	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	15	ND	4.2	ND	ND	ND	ND
1,4-Dichlorobenzene	75	30	ND	44	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	6.5
Acetone	6000	ND	ND	ND	ND	ND	ND	19
Benzene	1	ND	ND	0.88	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	0.62	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	53	ND	65	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	3
cis-1,2-Dichloroethene	70	840	8200	14	ND	390000 J	12000	6.3
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND	0.53
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	97	0.27 J	ND	ND	ND
Toluene	600	ND	ND	ND	ND	ND	ND	27

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-LF-MW07	CDE-LF-MW08	CDE-LF-MW09	CDE-LF-MW10	CDE-LF-MW11	CDE-LF-MW12	CDE-MP-MW13-01
LOCATION (WELL ID)		MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	MW-13-01
DEPTH (FT)		43-58	42-57.5	29-54	37-52	34-59	35-60	18-28
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/15/2009	10/16/2009	10/14/2009	10/13/2009	10/15/2009	10/15/2009	10/21/2009
trans-1,2-Dichloroethene	100	ND	ND	0.57	ND	1000	ND	ND
Trichloroethene	1	1400	20000	86	1.1	170000	16000	3.4
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	0.73	ND	710	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW13-02	CDE-MP-MW13-03	CDE-MP-MW13-04	CDE-MP-MW13-05	CDE-MP-MW13-06	CDE-MP-MW13-07
LOCATION (WELL ID)		MW-13-02	MW-13-03	MW-13-04	MW-13-05	MW-13-06	MW-13-07
DEPTH (FT)		35-45	63-73	95-105	115-125	150-160	230-240
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
1,1,1-Trichloroethane	30	ND	0.41 J	0.85	0.42 J	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	1.1	1.6	1.6	0.74	0.61
1,1-Dichloroethene	1	ND	4.9 J	8.7 J	9.2 J	3.2	1.8
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	0.49 J	0.78	0.79	0.53	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND
2-Butanone	300	8.5	ND	ND	ND	3 J	5.2
Acetone	6000	22	9	ND	ND	3.1 J	ND
Benzene	1	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	1	1.7	0.32 J	0.31 J	ND	ND
Bromoform	4	0.55	ND	ND	0.67	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND
Chloroform	70	4.4	7	2.6	ND	1.3	1.1
cis-1,2-Dichloroethene	70	18	49	8.6 J	210	83	65
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	0.38 J	0.26 J	ND	0.3 J	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	2.1	7	7.8	7.1	13	20
Methylene chloride	3	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	0.31 J	1.3	0.87	0.42 J	0.37 J
Toluene	600	40	19	10	11	7.6	6.3

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW13-02	CDE-MP-MW13-03	CDE-MP-MW13-04	CDE-MP-MW13-05	CDE-MP-MW13-06	CDE-MP-MW13-07
LOCATION (WELL ID)		MW-13-02	MW-13-03	MW-13-04	MW-13-05	MW-13-06	MW-13-07
DEPTH (FT)		35-45	63-73	95-105	115-125	150-160	230-240
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
trans-1,2-Dichloroethene	100	ND	ND	0.34 J	ND	ND	ND
Trichloroethene	1	3.9	12	56	120	61	45
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	1.8	2.7	3.5	0.95	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW14D-01	CDE-MP-MW14D-02	CDE-MP-MW14D-03	CDE-MP-MW14S-01	CDE-MP-MW14S-02	CDE-MP-MW14S-03
LOCATION (WELL ID)		MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02	MW-14S-03
DEPTH (FT)		80-85	123-133	199-209	30-35	41-46	55-60
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	0.46 J	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	0.37 J	ND	ND	ND	ND
1,1-Dichloroethene	1	3	1.5	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	2.9	2.1	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	11	6.3	1.9 J	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	2.1	0.57	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	6.4	1.2	ND	ND	ND	ND
1,4-Dichlorobenzene	75	5.2	1.7	ND	ND	ND	ND
2-Butanone	300	10	39	ND	ND	ND	ND
Acetone	6000	9.7	19	ND	ND	ND	ND
Benzene	1	0.42 J	0.28 J	ND	ND	ND	ND
Bromodichloromethane	1	0.55	0.54	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	1.6	0.44 J	ND	ND	ND	ND
Chloroform	70	3.4	3.8	3.3	ND	150 J	ND
cis-1,2-Dichloroethene	70	2600 J	650	350	130000 J	94000 J	58000 J
Cyclohexane	N/A	2.3	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	2	2.6	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	0.33 J	ND	ND	ND	ND	ND
Tetrachloroethene	1	0.48 J	1.4	ND	ND	ND	ND
Toluene	600	60 J	78 J	20	ND	ND	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW14D-01	CDE-MP-MW14D-02	CDE-MP-MW14D-03	CDE-MP-MW14S-01	CDE-MP-MW14S-02	CDE-MP-MW14S-03
LOCATION (WELL ID)		MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02	MW-14S-03
DEPTH (FT)		80-85	123-133	199-209	30-35	41-46	55-60
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
trans-1,2-Dichloroethene	100	35 J	3.3	1.6 J	500	310	ND
Trichloroethene	1	520 J	150	120	72000	64000	30000
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	15	5.7	2.5 J	560	370	ND
Xylenes (Total)	1,000	0.33 J	ND	ND	ND	ND	ND

Notes:
 ND = non-detect
 R = rejected
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
 Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW14S-04	CDE-MP-MW15D-01	CDE-MP-MW15D-02	CDE-MP-MW25	CDE-MP-MW15S-01	CDE-MP-MW15S-02
LOCATION (WELL ID)		MW-14S-04	MW-15D-01	MW-15D-02	DUP of MW15D-02	MW-15S-01	MW-15S-02
DEPTH (FT)		65-70	125-135	185-195	185-195	30-40	70-80
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/14/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	0.3 J	0.32 J	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	84	ND	ND	ND	ND	1.5
1,2,4-Trichlorobenzene	9	340	ND	ND	ND	11 J	2
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	29 J	ND	ND	ND	ND	0.24 J
1,4-Dichlorobenzene	75	34 J	ND	ND	ND	ND	0.62
2-Butanone	300	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	7.9	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	0.28 J
Bromoform	4	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	0.26 J
Chloroform	70	ND	ND	ND	ND	ND	1.4
cis-1,2-Dichloroethene	70	15000	12	17	17	1100	49
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	0.34 J	1.2	1.2	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND		ND	ND
Tetrachloroethene	1	ND	1.4	0.36 J	0.39 J	ND	5.4
Toluene	600	ND	14	14	15	10 J	2.4

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW14S-04	CDE-MP-MW15D-01	CDE-MP-MW15D-02	CDE-MP-MW25	CDE-MP-MW15S-01	CDE-MP-MW15S-02
LOCATION (WELL ID)		MW-14S-04	MW-15D-01	MW-15D-02	DUP of MW15D-02	MW-15S-01	MW-15S-02
DEPTH (FT)		65-70	125-135	185-195	185-195	30-40	70-80
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/14/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
trans-1,2-Dichloroethene	100	50	ND	ND	ND	ND	0.29 J
Trichloroethene	1	9900	20	14	15	5000	180
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey

Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW16-01	CDE-MP-MW16-02	CDE-MP-MW16-03	CDE-MP-MW16-04	CDE-MP-MW16-05	CDE-MP-MW16-06
LOCATION (WELL ID)		MW-16-01	MW-16-02	MW-16-03	MW-16-04	MW-16-05	MW-16-06
DEPTH (FT)		20-30	40-50	85-95	108-118	135-145	170-180
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/22/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	2.9 J
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	36 J
Benzene	1	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND
Chloroform	70	3.3	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	420	490	340	550	790	410
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	3.4 J
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	ND	2.5 J
Toluene	600	52	20	23	22 J	19	16

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW16-01	CDE-MP-MW16-02	CDE-MP-MW16-03	CDE-MP-MW16-04	CDE-MP-MW16-05	CDE-MP-MW16-06
LOCATION (WELL ID)		MW-16-01	MW-16-02	MW-16-03	MW-16-04	MW-16-05	MW-16-06
DEPTH (FT)		20-30	40-50	85-95	108-118	135-145	170-180
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/22/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009
trans-1,2-Dichloroethene	100	3	2.8	ND	ND	ND	ND
Trichloroethene	1	520	590	1600	7800	2000	760
Trichlorofluoromethane	2000	ND		ND	ND	ND	ND
Vinyl chloride	1	19	20	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW16-07	CDE-MP-MW17-01	CDE-MP-MW17-02	CDE-MP-MW17-03	CDE-MP-MW18-01	CDE-MP-MW18-02
LOCATION (WELL ID)		MW-16-07	MW-17-01	MW-17-02	MW-17-03	MW-18-01	MW-18-02
DEPTH (FT)		195-205	170-180	205-215	235-245	160-170	210-220
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/20/2009	10/20/2009	10/20/2009	10/13/2009	10/13/2009
1,1,1-Trichloroethane	30	0.4 J	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	0.96	ND	ND	0.34 J	ND	ND
1,1-Dichloroethene	1	4	ND	ND	1.2	ND	ND
1,2,3-Trichlorobenzene	N/A	1.5	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	2.2	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	0.29 J	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	1.1	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	3.9 J	ND	ND
Acetone	6000	ND	ND	ND	40	ND	ND
Benzene	1	ND	ND	ND	0.31 J	ND	ND
Bromodichloromethane	1	ND	ND	ND	0.31 J	ND	ND
Bromoform	4	1.8	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	0.51	ND	ND	ND	ND	ND
Chloroform	70	ND	6.3	ND	2 J	0.48 J	0.58
cis-1,2-Dichloroethene	70	370	220	170	77	2.1	2.2
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	0.61	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	5.8	9.2	ND	5.2	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	4.6	ND	ND	0.95	ND	ND
Toluene	600	5.7	3.7 J	2.4	18	4.4	51

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW16-07	CDE-MP-MW17-01	CDE-MP-MW17-02	CDE-MP-MW17-03	CDE-MP-MW18-01	CDE-MP-MW18-02
LOCATION (WELL ID)		MW-16-07	MW-17-01	MW-17-02	MW-17-03	MW-18-01	MW-18-02
DEPTH (FT)		195-205	170-180	205-215	235-245	160-170	210-220
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/20/2009	10/20/2009	10/20/2009	10/13/2009	10/13/2009
trans-1,2-Dichloroethene	100	0.68	ND	ND	1.5	ND	ND
Trichloroethene	1	690	730	420	120	52	52
Trichlorofluoromethane	2000	ND	ND	ND	0.55	ND	ND
Vinyl chloride	1	1.6	ND	ND	0.71	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW19-01	CDE-MP-MW19-02	CDE-MP-MW19-03	CDE-MP-MW19-04	CDE-MP-MW19-05	CDE-MP-MW19-06
LOCATION (WELL ID)		MW-19-01	MW-19-02	MW-19-03	MW-19-04	MW-19-05	MW-19-06
DEPTH (FT)		65-75	132-142	200-210	257-267	367-377	480-490
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/15/2009	10/15/2009	10/15/2009	10/16/2009	10/15/2009	10/15/2009
1,1,1-Trichloroethane	30	0.27 J	0.92	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	0.29 J	ND	ND	ND	ND
1,1-Dichloroethene	1	1.2	4.2	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND
Acetone	6000	15	ND	11	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	0.7	0.3 J	ND	0.43 J	1.5	0.47 J
Bromoform	4	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND
Chloroform	70	2.5	1.2	0.9	1.8	5.9	1.8
cis-1,2-Dichloroethene	70	0.34 J	1	ND	ND	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	0.32 J	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	1	ND	ND	ND	ND
Toluene	600	4.2	ND	3.3	ND	6	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW19-01	CDE-MP-MW19-02	CDE-MP-MW19-03	CDE-MP-MW19-04	CDE-MP-MW19-05	CDE-MP-MW19-06
LOCATION (WELL ID)		MW-19-01	MW-19-02	MW-19-03	MW-19-04	MW-19-05	MW-19-06
DEPTH (FT)		65-75	132-142	200-210	257-267	367-377	480-490
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/15/2009	10/15/2009	10/15/2009	10/16/2009	10/15/2009	10/15/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND
Trichloroethene	1	3.3	20	4	1.2	0.46 J	ND
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW19-07	CDE-MP-MW20-01	CDE-MP-MW20-02	CDE-MP-MW24	CDE-MP-MW20-03	CDE-MP-MW20-04
LOCATION (WELL ID)		MW-19-07	MW-20-01	MW-20-02	DUP of MW-20-02	MW-20-03	MW-20-04
DEPTH (FT)		545-555	25-35	85-95	85-95	125-135	175-185
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/15/2009	10/16/2009	10/16/2009	10/16/2009	10/21/2009	10/21/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	0.93	0.98	1.3	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	5.8	ND	ND	ND	ND
Acetone	6000	24	230	ND	ND	ND	ND
Benzene	1	ND	1.8	ND	ND	ND	ND
Bromodichloromethane	1	0.56	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	1.9	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND
Chloroform	70	2.2	0.68	1	1	0.85	1.5
cis-1,2-Dichloroethene	70	ND	44	190	88	730	60
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	0.52	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	0.35 J	0.61	0.63	0.42 J	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	0.84	0.87	1.4	0.72 J
Toluene	600	6	13	ND	ND	ND	ND

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW19-07	CDE-MP-MW20-01	CDE-MP-MW20-02	CDE-MP-MW24	CDE-MP-MW20-03	CDE-MP-MW20-04
LOCATION (WELL ID)		MW-19-07	MW-20-01	MW-20-02	DUP of MW-20-02	MW-20-03	MW-20-04
DEPTH (FT)		545-555	25-35	85-95	85-95	125-135	175-185
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/15/2009	10/16/2009	10/16/2009	10/16/2009	10/21/2009	10/21/2009
trans-1,2-Dichloroethene	100	ND	ND	0.35 J	0.37 J	0.55	ND
Trichloroethene	1	ND	110	240	320	330	300
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW20-05	CDE-MP-MW20-06	CDE-MP-MW20-07	CDE-MP-MW20-08	CDE-MP-MW21-01	CDE-MP-MW21-02
LOCATION (WELL ID)		MW-20-05	MW-20-06	MW-20-07	MW-20-08	MW-21-01	MW-21-02
DEPTH (FT)		205-215	250-260	297-307	355-365	50-60	87-97
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	13	ND
Benzene	1	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	2	ND	ND
cis-1,2-Dichloroethene	70	81	90	160	30	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	1.9 J	0.59 J	ND	ND
Toluene	600	ND	ND	8.1	14	ND	0.34 J

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW20-05	CDE-MP-MW20-06	CDE-MP-MW20-07	CDE-MP-MW20-08	CDE-MP-MW21-01	CDE-MP-MW21-02
LOCATION (WELL ID)		MW-20-05	MW-20-06	MW-20-07	MW-20-08	MW-21-01	MW-21-02
DEPTH (FT)		205-215	250-260	297-307	355-365	50-60	87-97
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND
Trichloroethene	1	420	620	650	160	1.8	1.8
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW21-03	CDE-MP-MW21-04	CDE-MP-MW21-05	CDE-MP-MW21-06	CDE-MP-MW21-07	CDE-MP-MW21-08
LOCATION (WELL ID)		MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07	MW-21-08
DEPTH (FT)		150-160	205-215	260-270	428-438	485-495	505-515
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/22/2009	10/22/2009	10/23/2009	10/22/2009	10/21/2009
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	4.9 J	ND
Acetone	6000	530	310	230	ND	6.6	10
Benzene	1	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	0.32 J	0.42 J	0.77	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND
Chloroform	70	1.1	1.8	2.6	ND	ND	ND
cis-1,2-Dichloroethene	70	1.1	1.2	1.3	1.2	0.42 J	0.43 J
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	0.26 J	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	ND	ND
Toluene	600	1.9	3.8	3.9	0.47 J	6.7	6.4

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW21-03	CDE-MP-MW21-04	CDE-MP-MW21-05	CDE-MP-MW21-06	CDE-MP-MW21-07	CDE-MP-MW21-08
LOCATION (WELL ID)		MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07	MW-21-08
DEPTH (FT)		150-160	205-215	260-270	428-438	485-495	505-515
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/22/2009	10/22/2009	10/23/2009	10/22/2009	10/21/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND
Trichloroethene	1	13	14	13	3.9	1.9	1.9
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW28-03	CDE-MP-MW22-01	CDE-MP-MW22-02	CDE-MP-MW22-03	CDE-MP-MW22-04
LOCATION (WELL ID)		DUP of MW-21-08	MW-22-01	MW-22-02	MW-22-03	MW-22-04
DEPTH (FT)		505-515	45-55	125-135	210-220	305-315
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
1,1,1-Trichloroethane	30	ND	ND	ND	0.84 J	0.29 J
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	1	0.64
1,1-Dichloroethene	1	ND	ND	ND	4	2.2
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	0.62 J	0.46 J
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND
2-Butanone	300	9.2	ND	ND	ND	11
Acetone	6000	11	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	0.42 J	2	2.7	87	30
Cyclohexane	N/A	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND
Methyl acetate	7000	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	36	0.65 J	0.68
Methylene chloride	3	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	ND
Toluene	600	6.1	0.25 J	0.16 J	21	36

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW28-03	CDE-MP-MW22-01	CDE-MP-MW22-02	CDE-MP-MW22-03	CDE-MP-MW22-04
LOCATION (WELL ID)		DUP of MW-21-08	MW-22-01	MW-22-02	MW-22-03	MW-22-04
DEPTH (FT)		505-515	45-55	125-135	210-220	305-315
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND
Trichloroethene	1	1.8	1.5	1.1	31	9.6
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND
Xylenes (Total)	1,000	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT1-01	CDE-MP-ERT1-02	CDE-MP-ERT1-03	CDE-MP-ERT1-04	CDE-MP-ERT1-05	CDE-MP-ERT1-06	CDE-MP-ERT1-07	CDE-MP-ERT1-08
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105	112-117	135-140
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	4.3 J	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	3 J	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	2.6 J	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	3.5 J	ND	ND
Bis(2-ethylhexyl)phthalate	3	4.4 J	3.2 J	4.8 J	3.9 J	ND	4.1 J	12	2.1 J
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	2.8 J	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT2-01	CDE-MP-ERT2-02	CDE-MP-ERT2-03	CDE-MP-ERT2-04	CDE-MP-ERT2-05	CDE-MP-ERT2-06	CDE-MP-ERT2-07	CDE-MP-ERT3-01
LOCATION (WELL ID)		ERT-2-01	ERT-2-02	ERT-2-03	ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01
DEPTH (FT)		25-35	40-50	54-59	70-75	97-107	113-123	127-137	27-37
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/26/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	2.5 J	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	2.1 J	2.4 J	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT3-02	CDE-MP-ERT3-03	CDE-MP-MW29	CDE-MP-ERT3-04	CDE-MP-ERT3-05	CDE-MP-ERT3-06	CDE-MP-ERT4-01	CDE-MP-ERT4-02
LOCATION (WELL ID)		ERT-3-02	ERT-3-03	DUP of ERT3-03	ERT-3-04	ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02
DEPTH (FT)		55-65	90-105	90-105	110-120	124-134	138-148	27-37	46-56
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	2.5 J	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	R	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	R	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	2.6 J	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	3.9 J	ND	ND	ND	ND	5.2	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	R	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME		CDE-MP-ERT4-03	CDE-MP-ERT4-04	CDE-MP-ERT4-05	CDE-MP-ERT4-06	CDE-MP-ERT4-07	CDE-MP-ERT5-01	CDE-MP-ERT5-02	CDE-MP-ERT5-03
LOCATION (WELL ID)	Potential	ERT-4-03	ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03
DEPTH (FT)	Cleanup	61-66	83-88	91-106	111-116	128-138	24-34	37-47	50-60
MATRIX	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/13/2009	10/13/2009	10/13/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT5-04	CDE-MP-ERT5-05	CDE-MP-ERT5-06	CDE-MP-ERT6-01	CDE-MP-MW26	CDE-MP-ERT6-02	CDE-MP-ERT6-03	CDE-MP-ERT6-04
LOCATION (WELL ID)		ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01	DUP of ERT6-01	ERT-6-02	ERT-6-03	ERT-6-04
DEPTH (FT)		77-87	93-98	120-130	26-36	26-36	75-85	93-103	107-117
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/13/2009	10/13/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	2.1 J	ND	2.6 J	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT6-05	CDE-MP-ERT7-01	CDE-MP-ERT7-02	CDE-MP-ERT7-03	CDE-MP-ERT7-04	CDE-MP-ERT7-05	CDE-MP-ERT8-01	CDE-MP-ERT8-02
LOCATION (WELL ID)		ERT-6-05	ERT-7-01	ERT-7-02	ERT-7-03	ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02
DEPTH (FT)		128-138	25-35	45-55	65-75	100-110	130-140	17-27	31-41
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/26/2009	10/26/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	3.9 J
Caprolactam	5000	2.5 J	ND	2.4 J	ND	2.5 J	7	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT8-03	CDE-MP-MW30-02	CDE-MP-ERT8-04	CDE-MP-ERT8-05	CDE-MP-ERT8-06	CDE-MP-ERT8-07	CDE-MP-FPW-01	CDE-MP-FPW-02
LOCATION (WELL ID)		ERT-8-03	DUP of ERT8-03	ERT-8-04	ERT-8-05	ERT-8-06	ERT-8-07	FPW-01	FPW-02
DEPTH (FT)		44-54	44-54	57-62	87-97	107-112	135-145	31-41	46-51
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/27/2009	10/27/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	R	ND	R	R	3.3 J	ND	ND
Benzo(b)fluoranthene	0.2	ND	R	ND	R	R	2.1 J	ND	ND
Benzo(g,h,i)perylene	N/A	ND	R	ND	R	R	2.1 J	ND	ND
Benzo(k)fluoranthene	0.5	ND	R	ND	R	R	3.1 J	ND	ND
Bis(2-ethylhexyl)phthalate	3	8.8	3.2 J	ND	6.8	5.4	3.2 J	ND	2.5 J
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	R	ND	R	R	R	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	0.16	0.16
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-FPW-03	CDE-MP-FPW-04	CDE-MP-FPW-05	CDE-MP-FPW-06	CDE-MP-FPW-07	CDE-MP-FPW-08	CDE-MP-FPW-09	CDE-LF-MW01A
LOCATION (WELL ID)		FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08	FPW-09	MW-01A
DEPTH (FT)		100-110	125-135	180-190	200-205	235-245	268-278	300-310	24-49
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/14/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	4.7 J	ND	7.2	2.4 J	ND	6.4	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	0.15	0.16	0.15	0.11	ND	0.13	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-LF-MW02A	CDE-LF-MW03	CDE-LF-MW04	CDE-MP-MW23	CDE-LF-MW05	CDE-LF-MW06	CDE-LF-MW07	CDE-LF-MW08	CDE-LF-MW09
LOCATION (WELL ID)		MW-02A	MW-03	MW-04	DUP of MW-04	MW-05	MW-06	MW-07	MW-08	MW-09
DEPTH (FT)		24-49	17-32	29-49	29-49	25-45.5	29-44	43-58	42-57.5	29-54
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/14/2009	10/14/2009	10/14/2009	10/13/2009	10/15/2009	10/15/2009	10/16/2009	10/14/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	0.39	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	0.14	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	41	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	11	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	0.11	ND	0.13	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-LF-MW10	CDE-LF-MW11	CDE-LF-MW12	CDE-MP-MW13-01	CDE-MP-MW13-02	CDE-MP-MW13-03	CDE-MP-MW13-04	CDE-MP-MW13-05
LOCATION (WELL ID)		MW-10	MW-11	MW-12	MW-13-01	MW-13-02	MW-13-03	MW-13-04	MW-13-05
DEPTH (FT)		37-52	34-59	35-60	18-28	35-45	63-73	95-105	115-125
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/15/2009	10/15/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	0.18	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	24	24	2.2 J	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	4.4 J	0.13	0.16	0.22	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	3 J	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW13-06	CDE-MP-MW13-07	CDE-MP-MW14D-01	CDE-MP-MW14D-02	CDE-MP-MW14D-03	CDE-MP-MW14S-01	CDE-MP-MW14S-02
LOCATION (WELL ID)		MW-13-06	MW-13-07	MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02
DEPTH (FT)		150-160	230-240	80-85	123-133	199-209	30-35	41-46
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/21/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	5.3	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	2.6 J	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	4.2 J	ND	7.2	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	6	95	ND	84	2.3 J	2.3 J	3.7 J
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	0.12	ND	2	1.4
Phenol	2000	ND	ND	ND	ND	ND	ND	2.4 J
Pyrene	200	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW14S-03	CDE-MP-MW14S-04	CDE-MP-MW15D-01	CDE-MP-MW15D-02	CDE-MP-MW25	CDE-MP-MW15S-01	CDE-MP-MW15S-02
LOCATION (WELL ID)		MW-14S-03	MW-14S-04	MW-15D-01	MW-15D-02	DUP of MW15D-02	MW-15S-01	MW-15S-02
DEPTH (FT)		55-60	65-70	125-135	185-195	185-195	30-40	70-80
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/14/2009	10/14/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
1,1'-Biphenyl	400	ND	17	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	3.5 J	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	R	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	2.2	ND	ND	ND	ND	ND
Acenaphthene	400	ND	0.28	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	R	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	0.49 J	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	3.9 J	8.5	3.7 J	7.4	7.5	ND	3.2 J
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	0.56	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	0.4	14 J	0.11	ND	0.11	ND	ND
Phenol	2000	ND	R	ND	ND	ND	ND	ND
Pyrene	200	ND	0.91 J	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW16-01	CDE-MP-MW16-02	CDE-MP-MW16-03	CDE-MP-MW16-04	CDE-MP-MW16-05	CDE-MP-MW16-06	CDE-MP-MW16-07
LOCATION (WELL ID)		MW-16-01	MW-16-02	MW-16-03	MW-16-04	MW-16-05	MW-16-06	MW-16-07
DEPTH (FT)		20-30	40-50	85-95	108-118	135-145	170-180	195-205
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/22/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/22/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	6.5	3.7 J	4.4 J	2.4 J	8.6	3.6 J	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	0.24	ND	0.19	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW17-01	CDE-MP-MW17-02	CDE-MP-MW17-03	CDE-MP-MW18-01	CDE-MP-MW18-02	CDE-MP-MW19-01	CDE-MP-MW19-02
LOCATION (WELL ID)		MW-17-01	MW-17-02	MW-17-03	MW-18-01	MW-18-02	MW-19-01	MW-19-02
DEPTH (FT)		170-180	205-215	235-245	160-170	210-220	65-75	132-142
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/20/2009	10/20/2009	10/13/2009	10/13/2009	10/15/2009	10/15/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	2.9 J	ND	ND	ND	ND
Caprolactam	5000	ND	ND	17	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	0.12	ND	ND	ND	0.11
Phenol	2000	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW19-03	CDE-MP-MW19-04	CDE-MP-MW19-05	CDE-MP-MW19-06	CDE-MP-MW19-07	CDE-MP-MW20-01	CDE-MP-MW20-02
LOCATION (WELL ID)		MW-19-03	MW-19-04	MW-19-05	MW-19-06	MW-19-07	MW-20-01	MW-20-02
DEPTH (FT)		200-210	257-267	367-377	480-490	545-555	25-35	85-95
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/15/2009	10/16/2009	10/15/2009	10/15/2009	10/15/2009	10/16/2009	10/16/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	2.5 J	ND	ND	ND	26	ND	ND
Caprolactam	5000	ND	ND	ND	ND	3.2 J	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	0.11	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW24	CDE-MP-MW20-03	CDE-MP-MW20-04	CDE-MP-MW20-05	CDE-MP-MW20-06	CDE-MP-MW20-07	CDE-MP-MW20-08
LOCATION (WELL ID)		DUP of MW-20-02	MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07	MW-20-08
DEPTH (FT)		85-95	125-135	175-185	205-215	250-260	297-307	355-365
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/16/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW21-01	CDE-MP-MW21-02	CDE-MP-MW21-03	CDE-MP-MW21-04	CDE-MP-MW21-05	CDE-MP-MW21-06	CDE-MP-MW21-07
LOCATION (WELL ID)		MW-21-01	MW-21-02	MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07
DEPTH (FT)		50-60	87-97	150-160	205-215	260-270	428-438	485-495
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/23/2009	10/22/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	3.4 J
Caprolactam	5000	ND	ND	ND	2 J	ND	ND	12
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW21-08	CDE-MP-MW28-03	CDE-MP-MW22-01	CDE-MP-MW22-02	CDE-MP-MW22-03	CDE-MP-MW22-04
LOCATION (WELL ID)		MW-21-08	DUP of MW-21-08	MW-22-01	MW-22-02	MW-22-03	MW-22-04
DEPTH (FT)		505-515	505-515	45-55	125-135	210-220	305-315
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/22/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	N/A	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	20	ND	ND	ND	ND	ND	ND
2-Chlorophenol	40	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND
Benzaldehyde	N/A	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	2.4 J	ND	ND	ND	ND
Caprolactam	5000	4.3 J	2.2 J	ND	ND	ND	30
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND
Dimethylphthalate	N/A	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	0.13
Phenol	2000	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT1-01	CDE-MP-ERT1-02	CDE-MP-ERT1-03	CDE-MP-ERT1-04	CDE-MP-ERT1-05	CDE-MP-ERT1-06	CDE-MP-ERT1-07	CDE-MP-ERT1-08
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105	112-117	135-140
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009
ALUMINUM	50	1790	31.8 J	ND	ND	ND	ND	ND	32.7 J
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	21.3	1.6	2.7	4	3.4	2.2	5	7.6
BARIUM	2000	188	85.3	102	105 J	109	81.7	122	121
BERYLLIUM	1	0.2 J	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	0.04 J	0.039 J	ND	0.037 J	0.065 J
CALCIUM	N/A	65500	63800	61000	61700	61100	61900	69900	81700
CHROMIUM	70	1.4 J	0.18 J	0.17 J	0.2 J	0.11 J	0.11 J	0.13 J	0.17 J
COBALT	100	0.73 J	0.075 J	0.075 J	0.093 J	0.09 J	0.079 J	0.091 J	0.11 J
COPPER	1300	13.5 J	0.91 J	0.84 J	1.6 J	0.91 J	0.53 J	0.79 J	1.2 J
CYANIDE	100	ND	ND	ND	ND	4 J	ND	ND	ND
IRON	300	2410	ND	ND	ND	ND	ND	ND	ND
LEAD	5	2.8	1.1	1.3	2	2	1.1	1.2	0.9 J
MAGNESIUM	N/A	19400	19200	19600	21600	20900	22100	23600	30300
MANGANESE	50	278 J	9.5 J	20.2 J	74.1	228 J	8.5 J	120 J	29.1 J
NICKEL	100	R	R	R	1.3	R	R	R	R
POTASSIUM	N/A	3880 J	1510 J	1490 J	1450 J	1600 J	1710 J	1820 J	1930 J
SELENIUM	40	0.37 J	0.31 J	0.27 J	0.36 J	0.33 J	0.26 J	0.34 J	0.2 J
SILVER	40	0.016 J	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	15800	16000	15700	18500	17800	26100	28700	25100
VANADIUM	N/A	9.1	5.4	6.4	5.6	5.6	5.1	ND	ND
ZINC	2000	22.9 J	14.7 J	9.1 J	14.4 J	13.2 J	8.5 J	10.4 J	11.7 J

Notes:

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R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT2-01	CDE-MP-ERT2-02	CDE-MP-ERT2-03	CDE-MP-ERT2-04	CDE-MP-ERT2-05	CDE-MP-ERT2-06	CDE-MP-ERT2-07	CDE-MP-ERT3-01
LOCATION (WELL ID)		ERT-2-01	ERT-2-02	ERT-2-03	ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01
DEPTH (FT)		25-35	40-50	54-59	70-75	97-107	113-123	127-137	27-37
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/26/2009
ALUMINUM	50	ND	ND	44.7 J	49.8 J	65.9 J	88.5 J	46 J	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	4.5 J	1.9 J	3.4 J	7.4 J	2.2 J	4.4 J	3.3 J	1.3
BARIUM	2000	8790	1810	1010	822	548	391	122	455 J
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	4.6	ND	0.058 J
CALCIUM	N/A	586000	217000	106000	96100	74000	71500	55100	179000
CHROMIUM	70	ND	ND	ND	ND	ND	ND	ND	0.17 J
COBALT	100	ND	ND	ND	ND	ND	ND	ND	0.3 J
COPPER	1300	ND	ND	ND	ND	ND	ND	ND	1.7 J
CYANIDE	100	ND	ND	ND	ND	ND	ND	ND	1 J
IRON	300	ND	ND	ND	ND	ND	ND	ND	205
LEAD	5	ND	2	2.3	ND	ND	ND	1.3	3.5
MAGNESIUM	N/A	46200	24500	15600	17000	18300	20400	23100	18500
MANGANESE	50	270 J	24.2 J	4.5 J	4.4 J	1.9 J	9.6 J	11.2 J	230
NICKEL	100	11 J	4.1 J	2.3 J	1.9 J	1.6 J	1.5 J	1.4 J	3.4
POTASSIUM	N/A	5740 J	2030 J	1730 J	1750 J	1850 J	1830 J	1590 J	2410 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	0.9 J
SILVER	40	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	44100	25000	15600	15500	14700	15100	13500	93800
VANADIUM	N/A	ND	ND	ND	ND	6.3 J	7.3 J	8.4 J	ND
ZINC	2000	9.6 J	8.6 J	8.8 J	6.4 J	7.4 J	11.5 J	10.7 J	12.6 J

Notes:

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R = rejected

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT3-02	CDE-MP-ERT3-03	CDE-MP-MW29	CDE-MP-ERT3-04	CDE-MP-ERT3-05	CDE-MP-ERT3-06	CDE-MP-ERT4-01	CDE-MP-ERT4-02
LOCATION (WELL ID)		ERT-3-02	ERT-3-03	DUP of ERT3-03	ERT-3-04	ERT-3-05	ERT-3-06	ERT-4-01	ERT-4-02
DEPTH (FT)		55-65	90-105	90-105	110-120	124-134	138-148	27-37	46-56
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009
ALUMINUM	50	ND	ND	ND	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	3.1	3.9	3.8	4.6	3.7	4	2	1.8
BARIUM	2000	337 J	210 J	215 J	136 J	57.3 J	36.2 J	82.2 J	77.3
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	0.27 J	0.4 J	ND	ND	ND	0.047 J	ND
CALCIUM	N/A	90200	93000	94500	60700	58400	53700	70500	63800
CHROMIUM	70	0.13 J	0.12 J	0.11 J	0.24 J	0.79 J	0.72 J	0.11 J	0.24 J
COBALT	100	0.15 J	0.17 J	0.17 J	0.074 J	0.067 J	0.055 J	0.13 J	0.092 J
COPPER	1300	1.2 J	1.5 J	1 J	4.6	2.9	1.2 J	0.67 J	0.36 J
CYANIDE	100	ND	ND	ND	ND	ND	ND	ND	18.8
IRON	300	ND	ND	38.8 J	ND	ND	ND	ND	ND
LEAD	5	1.8	1.8	0.97 J	4	2.9	1.1	1.2	1.6
MAGNESIUM	N/A	29100	35700	35800	24200	25300	25400	25000	24200
MANGANESE	50	34.4	31.1	25.6	ND	ND	ND	305	3.1 J
NICKEL	100	1.7	1.7	1.8	1.3	1.1	0.95 J	1.7	R
POTASSIUM	N/A	1750 J	2550 J	2530 J	1510 J	1360 J	1400 J	1390 J	1670 J
SELENIUM	40	0.44 J	0.56 J	0.46 J	0.29 J	0.26 J	0.32 J	0.68 J	0.9 J
SILVER	40	ND	0.036 J	0.056 J	ND	ND	ND	ND	ND
SODIUM	50000	25100	33600	33500	23200	19900	18500	20100	17200
VANADIUM	N/A	9.1	11.2	11.4	9.6	10.8	12.9	7.1	6.5
ZINC	2000	11.7 J	11.3 J	8.5 J	61.3 J	16.4 J	13.7 J	9.3 J	8.8 J

Notes:

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R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT4-03	CDE-MP-ERT4-04	CDE-MP-ERT4-05	CDE-MP-ERT4-06	CDE-MP-ERT4-07	CDE-MP-ERT5-01	CDE-MP-ERT5-02	CDE-MP-ERT5-03
LOCATION (WELL ID)		ERT-4-03	ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03
DEPTH (FT)		61-66	83-88	91-106	111-116	128-138	24-34	37-47	50-60
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/13/2009	10/13/2009	10/13/2009
ALUMINUM	50	ND	ND	ND	ND	ND	100 J	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	2	3	4.1	3.7	3.4	2.2	1.3	1.9
BARIUM	2000	68 J	56.2 J	53.3 J	49 J	47 J	182	197	129
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	0.092 J	ND	ND	ND	ND	ND
CALCIUM	N/A	61800	57700	58500	56900	52100	90800	83300	52800
CHROMIUM	70	0.26 J	0.35 J	0.35 J	0.39 J	0.4 J	ND	ND	ND
COBALT	100	0.083 J	0.082 J	0.095 J	0.071 J	0.066 J	ND	ND	ND
COPPER	1300	0.47 J	1 J	0.72 J	0.74 J	0.39 J	ND	ND	4
CYANIDE	100	ND	ND	ND	ND	ND	ND	2.4 J	ND
IRON	300	ND	ND	ND	ND	ND	180	ND	ND
LEAD	5	1.4	2	2.2	2	0.71 J	ND	ND	3.4 J
MAGNESIUM	N/A	24200	25800	27300	27600	25800	7140	10700	20800
MANGANESE	50	3.5	2.4	1	ND	ND	179 J	0.86 J	0.18 J
NICKEL	100	1	0.98 J	1.2	0.93 J	0.94 J	2.1 J	1.4 J	ND
POTASSIUM	N/A	1410 J	1380 J	1400 J	1430 J	1300 J	ND	ND	ND
SELENIUM	40	1.1 J	0.93 J	0.98 J	0.61 J	0.6 J	ND	ND	ND
SILVER	40	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	16600	18100	18100	18200	17400	19700	17700	11900
VANADIUM	N/A	5.7	8.7	9.2	9.9	11	ND	ND	6.5 J
ZINC	2000	8.1 J	9.4 J	11.9 J	9.7 J	8.9 J	8.6 J	6.2 J	24.5 J

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT5-04	CDE-MP-ERT5-05	CDE-MP-ERT5-06	CDE-MP-ERT6-01	CDE-MP-MW26	CDE-MP-ERT6-02	CDE-MP-ERT6-03	CDE-MP-ERT6-04
LOCATION (WELL ID)		ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01	DUP of ERT6-01	ERT-6-02	ERT-6-03	ERT-6-04
DEPTH (FT)		77-87	93-98	120-130	26-36	26-36	75-85	93-103	107-117
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/13/2009	10/13/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009
ALUMINUM	50	ND	ND	ND	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	1.9	2.3	2.4	5.4 J	5.2 J	3.8 J	1.6 J	2.4 J
BARIUM	2000	107	107	77.8	795	786	294	219	187
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	56700	53400	50400	48900	49600	70400	70800	66300
CHROMIUM	70	ND	ND	ND	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	ND	3.6	ND	ND	ND	ND	ND	ND
CYANIDE	100	ND	ND	ND	ND	ND	ND	ND	ND
IRON	300	ND	ND	ND	1290	R	ND	ND	ND
LEAD	5	1.5 J	3.2 J	1 J	ND	ND	1.5 J	1.8 J	1.4 J
MAGNESIUM	N/A	21700	21700	23400	6850	6920	10900	9910	13500
MANGANESE	50	0.85 J	0.87 J	0.34 J	88.1 J	36.5 J	3.1 J	ND	ND
NICKEL	100	ND	1 J	ND	ND	1.2 J	1.1 J	1.1 J	ND
POTASSIUM	N/A	ND	ND	ND	1490 J	1260 J	1070 J	971 J	1180 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	40	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	14400	13900	14800	10100	9900	11500	11100	12500
VANADIUM	N/A	6.5 J	7.8 J	8.7 J	ND	ND	5.3	5.1	5.8
ZINC	2000	12.9 J	18.4 J	10.1 J	11.6	9.5 J	10.6	10.6	11.5

Notes:

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R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT6-05	CDE-MP-ERT7-01	CDE-MP-ERT7-02	CDE-MP-ERT7-03	CDE-MP-ERT7-04	CDE-MP-ERT7-05	CDE-MP-ERT8-01	CDE-MP-ERT8-02
LOCATION (WELL ID)		ERT-6-05	ERT-7-01	ERT-7-02	ERT-7-03	ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02
DEPTH (FT)		128-138	25-35	45-55	65-75	100-110	130-140	17-27	31-41
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/26/2009	10/26/2009
ALUMINUM	50	ND	234	ND	ND	ND	ND	577	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	2.7 J	68.8	40.9	14.7	19.9	75.1	1.1	0.51 J
BARIUM	2000	91.3	832	925	895	825	131	1250	1780 J
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	0.069 J	ND
CADMIUM	4	0.04 J	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	53200	66300	68100	50500	53500	47300	109000	127000
CHROMIUM	70	ND	ND	ND	ND	ND	ND	0.69 J	0.13 J
COBALT	100	ND	ND	ND	ND	ND	ND	0.49 J	0.13 J
COPPER	1300	5.3	ND	2.5	5.5	2.5	9.4	2.1 J	0.58 J
CYANIDE	100	ND	ND	ND	ND	ND	ND	ND	ND
IRON	300	ND	298	ND	ND	ND	ND	500	ND
LEAD	5	2.4 J	1.5	2.4	5.2	3.3	1.7	2	1.3
MAGNESIUM	N/A	20700	5770	9430	13700	16600	20500	9170	11100
MANGANESE	50	ND	121	6.1	4.9	9.6	40.5	37.8 J	1.5
NICKEL	100	ND	1.8	1.1	ND	ND	ND	R	2.1
POTASSIUM	N/A	1480 J	1340 J	1030 J	ND	ND	1350 J	1430 J	971 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	0.3 J	0.33 J
SILVER	40	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	15100	12300	10800	8750	9580	13600	14400	12900
VANADIUM	N/A	8.8	ND	ND	ND	ND	7.3	ND	ND
ZINC	2000	13.5	12.6	15.3	18.9	18.2	12.2	15.4 J	10.4 J

Notes:

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R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-ERT8-03	CDE-MP-MW30-02	CDE-MP-ERT8-04	CDE-MP-ERT8-05	CDE-MP-ERT8-06	CDE-MP-ERT8-07	CDE-MP-FPW-01	CDE-MP-FPW-02
LOCATION (WELL ID)		ERT-8-03	DUP of ERT8-03	ERT-8-04	ERT-8-05	ERT-8-06	ERT-8-07	FPW-01	FPW-02
DEPTH (FT)		44-54	44-54	57-62	87-97	107-112	135-145	31-41	46-51
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/27/2009	10/27/2009
ALUMINUM	50	ND	ND	ND	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	0.53 J	0.54 J	9.7	3.4	10.9	3.2	829	95.7
BARIUM	2000	1150 J	1210 J	243	296 J	233 J	104 J	246	196
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	0.19 J	ND	ND	ND	ND
CALCIUM	N/A	102000	101000	40700	41700	42200	52600	46700	76900
CHROMIUM	70	0.14 J	0.12 J	0.21 J	0.26 J	0.18 J	0.46 J	0.34 J	0.17 J
COBALT	100	0.1 J	0.11 J	0.1 J	0.044 J	0.099 J	0.11 J	0.17 J	0.22 J
COPPER	1300	0.85 J	0.46 J	1.2 J	0.63 J	0.57 J	3.5	3.5 J	1.2 J
CYANIDE	100	ND	1.2 J	ND	ND	ND	ND	1.9 J	ND
IRON	300	ND	ND	ND	ND	ND	33.7 J	233	ND
LEAD	5	1.7	1	0.73 J	2	1.3	3.7	1.3	3.6
MAGNESIUM	N/A	8560	8410	21400	17900	22300	19800	15300	23000
MANGANESE	50	ND	ND	24.4 J	ND	32.4	26.6	689 J	627 J
NICKEL	100	1.5	1.6	R	0.72 J	0.83 J	1 J	R	R
POTASSIUM	N/A	791 J	765 J	2210 J	1280 J	1830 J	1350 J	3110 J	1850 J
SELENIUM	40	0.53 J	0.47 J	0.72 J	0.6 J	0.65 J	0.62 J	0.19 J	0.34 J
SILVER	40	ND	ND	ND	0.022 J	ND	ND	ND	ND
SODIUM	50000	9840	9690	10700	8980	10400	13900	18800	19600
VANADIUM	N/A	ND	ND	8.8	5.1	7.5	6.3	ND	ND
ZINC	2000	18.2 J	11.3 J	18.5 J	12.1 J	16 J	34.7 J	14.7 J	18.5 J

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-FPW-03	CDE-MP-FPW-04	CDE-MP-FPW-05	CDE-MP-FPW-06	CDE-MP-FPW-07	CDE-MP-FPW-08	CDE-MP-FPW-09	CDE-LF-MW01A
LOCATION (WELL ID)		FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08	FPW-09	MW-01A
DEPTH (FT)		100-110	125-135	180-190	200-205	235-245	268-278	300-310	24-49
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/14/2009
ALUMINUM	50	31.9 J	ND	ND	ND	65.4 J	ND	26.6 J	321
ANTIMONY	6	ND	ND	ND	ND	ND	2	3.2	ND
ARSENIC	3	250	152	189	705	608	388	203	1.4
BARIUM	2000	120	138	117	134	108	107	93.8	796 J
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	0.068 J	ND
CALCIUM	N/A	52600	55300	50800	49500	47500	51700	48100	59300
CHROMIUM	70	0.28 J	0.66 J	0.15 J	0.2 J	0.15 J	0.14 J	0.36 J	ND
COBALT	100	0.11 J	0.097 J	0.085 J	0.092 J	0.09 J	0.1 J	0.096 J	ND
COPPER	1300	2.6 J	3.9 J	2.1 J	14.8 J	2.7 J	4.6 J	10.2 J	ND
CYANIDE	100	ND	ND	ND	ND	ND	ND	ND	ND
IRON	300	ND	ND	ND	ND	ND	ND	ND	258
LEAD	5	4.9	4.9	2	3.8	1.2	1.8	13.2	ND
MAGNESIUM	N/A	25000	26200	26900	26700	25300	27400	26300	12700
MANGANESE	50	212 J	104 J	204 J	274 J	563 J	452 J	127 J	52.6 J
NICKEL	100	R	R	R	R	R	R	R	3 J
POTASSIUM	N/A	1810 J	1670 J	1730 J	1720 J	1630 J	1680 J	1660 J	1510 J
SELENIUM	40	0.27 J	0.29 J	0.32 J	0.16 J	0.2 J	0.26 J	0.25 J	ND
SILVER	40	ND	ND	ND	ND	ND	0.021 J	ND	ND
SODIUM	50000	17000	14700	15200	14600	13600	14700	15200	18900
VANADIUM	N/A	7.8	8.4	8.6	9.1	9.2	8.8	8.8	14.5 J
ZINC	2000	25.6 J	14.7 J	9.5 J	16.7 J	8.4 J	11.8 J	125 J	11.2 J

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-LF-MW02A	CDE-LF-MW03	CDE-LF-MW04	CDE-MP-MW23	CDE-LF-MW05	CDE-LF-MW06	CDE-LF-MW07	CDE-LF-MW08	CDE-LF-MW09
LOCATION (WELL ID)		MW-02A	MW-03	MW-04	DUP of MW-04	MW-05	MW-06	MW-07	MW-08	MW-09
DEPTH (FT)		24-49	17-32	29-49	29-49	25-45.5	29-44	43-58	42-57.5	29-54
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/14/2009	10/14/2009	10/14/2009	10/13/2009	10/15/2009	10/15/2009	10/16/2009	10/14/2009
ALUMINUM	50	570	236	456	465	172 J	386	430	1280	890
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	1.3	1.3	0.88 J	0.86 J	3.6	1.8	1.8	1.7	2.2
BARIUM	2000	578	116	194 J	179 J	136	404 J	1320 J	583 J	113
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	1.2	ND	ND	ND
CALCIUM	N/A	48100	84200	67100	59800	75300	52800	96100	90500	139000
CHROMIUM	70	ND	ND	ND	ND	77.9 J	3.5 J	ND	3.1 J	ND
COBALT	100	ND	ND	1.9	1.9	ND	ND	ND	ND	ND
COPPER	1300	ND	2.2	2.9	3	19	5.1	3.1	ND	80.1
CYANIDE	100	ND	ND	ND	ND	ND	ND	ND	7.5 J	1.1 J
IRON	300	882	783	222	199	2420	969	556	1630	1010
LEAD	5	ND	4.6 J	ND	ND	ND	2.3	ND	ND	ND
MAGNESIUM	N/A	11400	20400	9150	8290	21700	6960	9750	12300	24300
MANGANESE	50	777 J	235 J	1030 J	984 J	1480 J	79 J	65.9 J	39.4 J	68.5 J
NICKEL	100	4 J	5.2 J	6 J	5.7 J	10.7 J	12.3 J	6.5 J	4.2 J	3.1 J
POTASSIUM	N/A	ND	2170 J	1580 J	1730 J	ND	8470	2100 J	1410 J	ND
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	40	ND	ND	0.11 J	0.12 J	0.024 J	0.019 J	0.059 J	ND	ND
SODIUM	50000	59800	30700	14800	16600	25300	39200	14300	12000	21800
VANADIUM	N/A	ND	ND	ND	ND	15.2 J	ND	ND	5.6 J	ND
ZINC	2000	9 J	37.1 J	9.6 J	7.9 J	12.4 J	29.4 J	12.3 J	10.4 J	6.6 J

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-LF-MW10	CDE-LF-MW11	CDE-LF-MW12	CDE-MP-MW13-01	CDE-MP-MW13-02	CDE-MP-MW13-03	CDE-MP-MW13-04	CDE-MP-MW13-05
LOCATION (WELL ID)		MW-10	MW-11	MW-12	MW-13-01	MW-13-02	MW-13-03	MW-13-04	MW-13-05
DEPTH (FT)		37-52	34-59	35-60	18-28	35-45	63-73	95-105	115-125
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/13/2009	10/15/2009	10/15/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
ALUMINUM	50	6210	184 J	628	228	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	2.2	ND	ND	ND	ND
ARSENIC	3	2.2	1.4	1.2	130 J	127 J	87.9 J	12.1 J	27.7 J
BARIUM	2000	433	2610 J	349 J	225	272	380	190	226
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	0.098 J	ND	ND	ND	ND
CALCIUM	N/A	47100	142000	124000	29500	33600	46700	53200	51900
CHROMIUM	70	4.6 J	ND	2.3 J	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	6.3	3.1	6.8	5.6	4.1	3.7	4.7	2.2
CYANIDE	100	ND	11.6 J	ND	3.8 J	25.3	ND	ND	ND
IRON	300	8520	282	1620	45.9 J	ND	ND	ND	ND
LEAD	5	ND	ND	3.3	1.5 J	1.7 J	2.6 J	2.2 J	1.5 J
MAGNESIUM	N/A	13000	22100	10100	1160 J	5230	17400	18900	18500
MANGANESE	50	131 J	1260 J	176 J	1.8 J	3.6 J	25.2 J	14.9 J	7 J
NICKEL	100	2.3 J	5.4 J	6.3 J	1.3 J	1.1 J	1.4 J	1.6 J	1.5 J
POTASSIUM	N/A	ND	1530 J	1540 J	26700	12600	ND	ND	ND
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	40	ND	0.023 J	0.05 J	ND	ND	ND	ND	ND
SODIUM	50000	12000	17700	14100	31800	23500	14400	12900	11400
VANADIUM	N/A	5.9 J	ND	7 J	6.8	ND	ND	6.3	6.1
ZINC	2000	10.8 J	10.8 J	26.4 J	25.6	9.4	10.3	9.4	10

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW13-06	CDE-MP-MW13-07	CDE-MP-MW14D-01	CDE-MP-MW14D-02	CDE-MP-MW14D-03	CDE-MP-MW14S-01	CDE-MP-MW14S-02
LOCATION (WELL ID)		MW-13-06	MW-13-07	MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02
DEPTH (FT)		150-160	230-240	80-85	123-133	199-209	30-35	41-46
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/21/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
ALUMINUM	50	ND	1230	ND	106 J	ND	382	356
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	29.9 J	67.2 J	128	349	41.2	43.3	52.8
BARIUM	2000	248	178	198	78.4	58	1560	1330
BERYLLIUM	1	ND	0.13 J	ND	ND	ND	ND	ND
CADMIUM	4	ND	0.041 J	ND	ND	ND	ND	ND
CALCIUM	N/A	50300	60900	83500	60300	56100	107000	91500
CHROMIUM	70	ND	3 J	ND	ND	ND	ND	ND
COBALT	100	ND	1.4	ND	ND	ND	ND	ND
COPPER	1300	ND	7.1	ND	2.7	ND	3.1	10.4
CYANIDE	100	ND	ND	ND	ND	ND	ND	1.3 J
IRON	300	ND	1790	265	328	ND	510	443
LEAD	5	1.4 J	1.7 J	1.3 J	2 J	1.6 J	6	9.7
MAGNESIUM	N/A	23800	24500	28900	28900	28100	17200	18600
MANGANESE	50	43.5 J	116 J	390 J	146 J	50.5 J	517 J	380 J
NICKEL	100	1.6 J	4.9 J	2.2 J	1.7 J	1.4 J	2.7 J	2.6 J
POTASSIUM	N/A	ND	ND	ND	ND	ND	3970 J	ND
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND
SILVER	40	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	12100	13600	15500	19200	17200	15900	15300
VANADIUM	N/A	7.5	9.6	ND	5.5 J	5.2 J	ND	ND
ZINC	2000	8.8	20.9	8.3 J	11.8 J	8.2 J	10.8 J	16.4 J

Notes:

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW14S-03	CDE-MP-MW14S-04	CDE-MP-MW15D-01	CDE-MP-MW15D-02	CDE-MP-MW25	CDE-MP-MW15S-01	CDE-MP-MW15S-02
LOCATION (WELL ID)		MW-14S-03	MW-14S-04	MW-15D-01	MW-15D-02	DUP of MW15D-02	MW-15S-01	MW-15S-02
DEPTH (FT)		55-60	65-70	125-135	185-195	185-195	30-40	70-80
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/14/2009	10/14/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
ALUMINUM	50	414	407	ND	R	R	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	45	72.3	14 J	73.7 J	59.1 J	6.1 J	22 J
BARIUM	2000	910	566	69.8	58.9	56.9	585	185
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	89700	90500	51300	52600	53000	88800	57300
CHROMIUM	70	ND	ND	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	6.3	4.5	ND	3.4 J	ND	ND	3.6 J
CYANIDE	100	ND	ND	ND	ND	ND	ND	ND
IRON	300	713	816	242	ND	ND	ND	ND
LEAD	5	7.7	7.6	1.3	2.5	1.3	3	3.7
MAGNESIUM	N/A	20300	25700	21200	23000	23100	10100	20900
MANGANESE	50	437 J	537 J	261 J	121 J	88.8 J	79.6 J	17.2 J
NICKEL	100	2.4 J	2.4 J	1.8 J	1.3 J	1.2 J	2.1 J	1.3 J
POTASSIUM	N/A	ND	ND	1740 J	1970 J	1940 J	1390 J	1450 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND
SILVER	40	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	15200	14900	14800	15100	15100	11900	13100
VANADIUM	N/A	ND	ND	ND	ND	ND	ND	ND
ZINC	2000	11.2 J	10.8 J	12 J	10.4 J	6.1 J	6.9 J	9.2 J

Notes:

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW16-01	CDE-MP-MW16-02	CDE-MP-MW16-03	CDE-MP-MW16-04	CDE-MP-MW16-05	CDE-MP-MW16-06	CDE-MP-MW16-07
LOCATION (WELL ID)		MW-16-01	MW-16-02	MW-16-03	MW-16-04	MW-16-05	MW-16-06	MW-16-07
DEPTH (FT)		20-30	40-50	85-95	108-118	135-145	170-180	195-205
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/22/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/22/2009
ALUMINUM	50	ND	ND	ND	ND	135 J	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	105 J	68 J	158 J	60.5 J	268	114	46.5
BARIIUM	2000	568	469	88.5	112	71.9	74.9	148
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	46900	49100	48300	49600	45600	47600	52000
CHROMIUM	70	ND	ND	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	ND	ND	4.3	ND	ND	ND	3.3
CYANIDE	100	ND	ND	ND	ND	3.7 J	ND	ND
IRON	300	70.5 J	ND	ND	ND	167	ND	ND
LEAD	5	ND	ND	3.4 J	1.5 J	1.4	1.1	1.4
MAGNESIUM	N/A	9320	12300	21600	22700	22700	23700	26700
MANGANESE	50	188 J	172 J	75.7 J	58 J	64.3	86.8	8.3
NICKEL	100	1.4 J	1.3 J	1.4 J	1.2 J	1.3	1.2	1.1
POTASSIUM	N/A	5120	ND	2740 J	ND	ND	ND	1570 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND
SILVER	40	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	22300	16200	17200	15900	16300	15600	14800
VANADIUM	N/A	ND	ND	9.2	10.6	9.1	13	14.3
ZINC	2000	10.2	12.3	21.9	11.9	13.3	22.1	12.6

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC Jersey Groundwater 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW17-01	CDE-MP-MW17-02	CDE-MP-MW17-03	CDE-MP-MW18-01	CDE-MP-MW18-02	CDE-MP-MW19-01	CDE-MP-MW19-02
LOCATION (WELL ID)		MW-17-01	MW-17-02	MW-17-03	MW-18-01	MW-18-02	MW-19-01	MW-19-02
DEPTH (FT)		170-180	205-215	235-245	160-170	210-220	65-75	132-142
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/20/2009	10/20/2009	10/20/2009	10/13/2009	10/13/2009	10/15/2009	10/15/2009
ALUMINUM	50	70.1 J	78.3 J	6200	ND	ND	ND	40.9 J
ANTIMONY	6	ND	ND	2.2 J	ND	ND	ND	ND
ARSENIC	3	27.8 J	14.7 J	287 J	24.8	54.7	141	21.5
BARIUM	2000	73.8	54.1	131	47.7	49.3	97.2 J	49.1 J
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	55400	52400	57500	46500	45700	126000	101000
CHROMIUM	70	ND	ND	7 J	ND	ND	ND	ND
COBALT	100	ND	ND	4.6 J	ND	ND	ND	ND
COPPER	1300	3.6 J	3.3 J	42.9 J	ND	ND	ND	ND
CYANIDE	100	ND	ND	1.3 J	ND	ND	ND	4 J
IRON	300	ND	ND	8060	ND	ND	ND	ND
LEAD	5	3.8	1.7	5.7	2.3 J	1.7 J	3.8	2
MAGNESIUM	N/A	23900	22700	27700	25600	25200	38500	36700
MANGANESE	50	18.7 J	16.9 J	227 J	3 J	5 J	182 J	60 J
NICKEL	100	1.2 J	1.2 J	12.9 J	ND	ND	2.8 J	1.9 J
POTASSIUM	N/A	1860 J	1820 J	6560 J	ND	1670 J	3180 J	2320 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND
SILVER	40	ND	ND	0.049 J	ND	ND	ND	ND
SODIUM	50000	15400	17300	22700	17600	16800	31100	27300
VANADIUM	N/A	9.4 J	11.2 J	18.7 J	10.8 J	12.4 J	6.9 J	10.2 J
ZINC	2000	12.4 J	10.5 J	40.4 J	9 J	7.6 J	11.9 J	8.4 J

Notes:

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R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW19-03	CDE-MP-MW19-04	CDE-MP-MW19-05	CDE-MP-MW19-06	CDE-MP-MW19-07	CDE-MP-MW20-01	CDE-MP-MW20-02
LOCATION (WELL ID)		MW-19-03	MW-19-04	MW-19-05	MW-19-06	MW-19-07	MW-20-01	MW-20-02
DEPTH (FT)		200-210	257-267	367-377	480-490	545-555	25-35	85-95
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/15/2009	10/16/2009	10/15/2009	10/15/2009	10/15/2009	10/16/2009	10/16/2009
ALUMINUM	50	ND	ND	ND	ND	ND	28.3 J	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	34.7	32.6	110	24.8	38.4	180	21.5
BARIIUM	2000	42 J	23.9 J	26.2 J	ND	11.5 J	330 J	132 J
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	291000	126000	242000	440000	482000	136000	66200
CHROMIUM	70	ND	ND	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	ND	ND	ND	ND	ND	2.6	2.1
CYANIDE	100	ND	ND	1.4 J	ND	ND	1 J	ND
IRON	300	ND	ND	ND	ND	ND	815	ND
LEAD	5	2.1	3.7	1.4	1.7	1.6	3.4	1.6
MAGNESIUM	N/A	107000	51300	87300	130000	115000	28800	22300
MANGANESE	50	375 J	54.6 J	586 J	198 J	555 J	1580 J	20.4 J
NICKEL	100	5.5 J	2.8 J	4.9 J	6.8 J	7.7 J	5 J	1.5 J
POTASSIUM	N/A	4320 J	2430 J	3860 J	4810 J	4180 J	7700	2500 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND
SILVER	40	ND	ND	ND	ND	0.019 J	ND	ND
SODIUM	50000	64500	37500	59500	116000	87500	184000	23600
VANADIUM	N/A	5.9 J	10.8 J	6.8 J	9.2 J	11.8 J	ND	10 J
ZINC	2000	11.8 J	9.9 J	8.3 J	7.1 J	10.2 J	42.6 J	7.4 J

Notes:

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R = rejected

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW24	CDE-MP-MW20-03	CDE-MP-MW20-04	CDE-MP-MW20-05	CDE-MP-MW20-06	CDE-MP-MW20-07	CDE-MP-MW20-08
LOCATION (WELL ID)		DUP of MW-20-02	MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07	MW-20-08
DEPTH (FT)		85-95	125-135	175-185	205-215	250-260	297-307	355-365
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/16/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
ALUMINUM	50	ND	ND	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	20.6	11.1 J	35.3 J	68.4 J	11.7 J	167	122
BARIUM	2000	130 J	135	165	116	79	44.1	37.1
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	64600	56800	41700	43000	44100	49000	48100
CHROMIUM	70	ND	ND	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	ND	6.2	ND	5.6	4	ND	ND
CYANIDE	100	1.1 J	ND	2.2 J	ND	ND	ND	ND
IRON	300	ND	ND	ND	ND	ND	ND	ND
LEAD	5	1.7	2.6 J	1.3 J	2 J	1.9 J	1.2	ND
MAGNESIUM	N/A	21600	20500	21800	24500	25000	26400	28100
MANGANESE	50	22.4 J	10.6 J	11.4 J	19.5 J	7.6 J	132	52.6
NICKEL	100	1.5 J	1.2 J	ND	1.1 J	ND	1.1	ND
POTASSIUM	N/A	2500 J	1890 J	2300 J	ND	1710 J	2420 J	1970 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND
SILVER	40	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	24400	15000	14700	15700	16000	20900	21000
VANADIUM	N/A	10.1 J	11.3	11.7	13.5	12.9	12.4	22.8
ZINC	2000	8.8 J	13.7	10.9	15.9	12	10.2	11.1

Notes:

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW21-01	CDE-MP-MW21-02	CDE-MP-MW21-03	CDE-MP-MW21-04	CDE-MP-MW21-05	CDE-MP-MW21-06	CDE-MP-MW21-07
LOCATION (WELL ID)		MW-21-01	MW-21-02	MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07
DEPTH (FT)		50-60	87-97	150-160	205-215	260-270	428-438	485-495
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/23/2009	10/22/2009
ALUMINUM	50	ND	74.4 J	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	24.4	100	60.7	183	103	32.1	146
BARIUM	2000	50.8	44.8	28.5	36.2	31.8	12.6	52.3
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	0.037 J	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	106000	164000	169000	184000	186000	167000	399000
CHROMIUM	70	ND	ND	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	69.9	123	3.7	ND	4.3	7.3	ND
CYANIDE	100	ND	ND	ND	ND	ND	ND	ND
IRON	300	34 J	69.1 J	ND	ND	ND	ND	ND
LEAD	5	20.9	11.8	4.7	3.6	5	1.7	3.4
MAGNESIUM	N/A	39300	56300	58900	56200	55700	50100	88600
MANGANESE	50	83.6	119	102	429	109	58.7	658
NICKEL	100	2.2	3.2	3	3.6	3.1	3.2	6.6
POTASSIUM	N/A	2010 J	2700 J	ND	ND	ND	ND	ND
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND
SILVER	40	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	33100	43700	43100	49700	48000	48100	76000
VANADIUM	N/A	9	7.7	ND	5.1	9	8.3	7.5
ZINC	2000	74.3	94.7	16.4	11.1	21.9	12.1	8.9

Notes:

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MP-MW21-08	CDE-MP-MW28-03	CDE-MP-MW22-01	CDE-MP-MW22-02	CDE-MP-MW22-03	CDE-MP-MW22-04
LOCATION (WELL ID)		MW-21-08	DUP of MW-21-08	MW-22-01	MW-22-02	MW-22-03	MW-22-04
DEPTH (FT)		505-515	505-515	45-55	125-135	210-220	305-315
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		10/21/2009	10/22/2009	10/19/2009	10/19/2009	10/19/2009	10/19/2009
ALUMINUM	50	70.1 J	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND
ARSENIC	3	556 J	298 J	64.2 J	22.1 J	47.4 J	595 J
BARIUM	2000	31.8	22.1	153	236	164	118
BERYLLIUM	1	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	373000	381000	38600	74300	39600	30600
CHROMIUM	70	ND	ND	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND
COPPER	1300	R	R	2 J	2.2 J	14.6 J	5.1 J
CYANIDE	100	ND	ND	ND	1.2 J	ND	ND
IRON	300	45.6 J	ND	ND	ND	ND	ND
LEAD	5	11.9 J	5.7 J	1.7	2.6	3.9	1.5
MAGNESIUM	N/A	106000	109000	6150	27700	23700	18900
MANGANESE	50	789	650	4.8 J	8.4 J	9.5 J	24.7 J
NICKEL	100	6.6	7.3	ND	1.7 J	1.1 J	ND
POTASSIUM	N/A	3330 J	3310 J	3420 J	1890 J	1970 J	1970 J
SELENIUM	40	ND	ND	ND	ND	ND	ND
SILVER	40	ND	ND	ND	ND	ND	ND
SODIUM	50000	82700	82900	10300	12900	11700	13300
VANADIUM	N/A	7.2	ND	ND	9.8 J	14.9 J	18.2 J
ZINC	2000	72.9 J	26.1 J	7.9 J	9.1 J	21.1 J	11.7 J

Notes:

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MP-ERT1-01	CDE-MP-ERT1-02	CDE-MP-ERT1-03	CDE-MP-MW31-04	CDE-MP-ERT1-04	CDE-MP-ERT1-05	CDE-MP-ERT1-06
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	DUP of ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06
DEPTH (FT)		24-29	33-43	46-56	46-56	59-64	67-77	100-105
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	185	188	189	184	194	191	197
Chloride (mg/L)	250,000	34	33.8	32.2	33.4	34.2	36	51.4
Dissolved Organic Carbon (mg/L)	N/A	1.1	ND	ND	ND	ND	ND	ND
Ethane (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Ethene (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Hardness, Total as CaCO ₃ (mg/L)	250,000	220	218	208	218	212	222	223
Methane (ug/L)	N/A	83.1	16.7	23.4	21.5	639	16.2	54.1
Nitrogen, Nitrate (mg/L)	10,000	2.1	2.5	2.7	2.8	2.4	2.4	1.9
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	2.1	2.5	2.7	2.8	2.4	2.4	1.9
Nitrogen, Nitrite (mg/L)	1,000	ND	ND	ND	ND	ND	ND	ND
Sulfate (mg/L)	250,000	24.5	25.7	20.6	21.4	23.1	21.5	21.1
Total Organic Carbon (mg/L)	N/A	1.5	ND	ND	ND	ND	1	ND

Notes:

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The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MP-ERT1-07	CDE-MP-ERT1-08	CDE-MP-MW13-01	CDE-MP-MW27-03	CDE-MP-MW13-02	CDE-MP-MW13-03	CDE-MP-MW13-04
LOCATION (WELL ID)		ERT-1-07	ERT-1-08	MW-13-01	DUP of MW-13-01	MW-13-02	MW-13-03	MW-13-04
DEPTH (FT)		112-117	135-140	18-28	18-28	35-45	63-73	95-105
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		10/27/2009	10/27/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	197	199	129	120	37.6	124	147
Chloride (mg/L)	250,000	63.6	100	29.1	27.3	57.8	68.2	57.2
Dissolved Organic Carbon (mg/L)	N/A	ND	1	9.3	9	7.1	3.4	2.1
Ethane (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Ethene (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Hardness, Total as CaCO ₃ (mg/L)	250,000	239	298	80.6	78.7	94.1	202	219
Methane (ug/L)	N/A	315	244	29.7	31.6	25.9	14.1	17.1
Nitrogen, Nitrate (mg/L)	10,000	1.5	1.6	0.22	0.2	ND	ND	ND
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	1.5	1.6	0.3	0.29	ND	ND	ND
Nitrogen, Nitrite (mg/L)	1,000	ND	ND	0.085	0.088	0.072	ND	ND
Sulfate (mg/L)	250,000	21.4	28.3	27.2	27.3	27.2	29.9	31.8
Total Organic Carbon (mg/L)	N/A	1.1	1	10.1	10.5	6.8	3	1.3

Notes:

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The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MP-MW13-05	CDE-MP-MW13-06	CDE-MP-MW13-07	CDE-MP-MW14D-01	CDE-MP-MW14D-02	CDE-MP-MW14D-03
LOCATION (WELL ID)		MW-13-05	MW-13-06	MW-13-07	MW-14D-01	MW-14D-02	MW-14D-03
DEPTH (FT)		115-125	150-160	230-240	80-85	123-133	199-209
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		10/21/2009	10/21/2009	10/21/2009	10/14/2009	10/14/2009	10/14/2009
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	138	134	120	186	197	174
Chloride (mg/L)	250,000	53.3	74.5	93.8	13.7	33.5	40.9
Dissolved Organic Carbon (mg/L)	N/A	2.4	2.7	3.3	5.5	12.4	2.4
Ethane (ug/L)	N/A	ND	0.16	0.22	0.51	0.69	0.56
Ethene (ug/L)	N/A	ND	ND	ND	0.46	0.4	0.29
Hardness, Total as CaCO ₃ (mg/L)	250,000	204	219	246	283	239	225
Methane (ug/L)	N/A	12.7	14.6	2.3	3.4	2.8	0.82
Nitrogen, Nitrate (mg/L)	10,000	ND	ND	ND	ND	0.43 J	0.91 J
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	ND	ND	ND	ND	0.43 J	0.95 J
Nitrogen, Nitrite (mg/L)	1,000	ND	ND	ND	ND	ND	0.04
Sulfate (mg/L)	250,000	30.1	31.5	32.1	32.3	48.1	50.4
Total Organic Carbon (mg/L)	N/A	1.8	1.9	2.6	5.4	13.5	2.3

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MP-MW14S-01	CDE-MP-MW14S-02	CDE-MP-MW14S-03	CDE-MP-MW14S-04	CDE-MP-MW16-01	CDE-MP-MW16-02
LOCATION (WELL ID)		MW-14S-01	MW-14S-02	MW-14S-03	MW-14S-04	MW-16-01	MW-16-02
DEPTH (FT)		30-35	41-46	55-60	65-70	20-30	40-50
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/21/2009	10/22/2009
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	180	179	202	296	138	158
Chloride (mg/L)	250,000	114	108	64.1	17.2	46.9	35.2
Dissolved Organic Carbon (mg/L)	N/A	3.7	3.1	2.9	2.4	5.4	4.5
Ethane (ug/L)	N/A	3.9	3.6	3.3	1.2	5.8	3.5
Ethene (ug/L)	N/A	13.2	10.3	6.8	1.2	0.48	0.2
Hardness, Total as CaCO ₃ (mg/L)	250,000	296	290	269	276	157	179
Methane (ug/L)	N/A	101	97.3	83.6	14.4	103	63
Nitrogen, Nitrate (mg/L)	10,000	ND	ND	ND	0.11 J	ND	0.28
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	ND	ND	ND	0.11 J	ND	0.28
Nitrogen, Nitrite (mg/L)	1,000	ND	ND	ND	ND	ND	ND
Sulfate (mg/L)	250,000	11.4	12.1	16.4	23.3	19.1	17.9
Total Organic Carbon (mg/L)	N/A	4	3.5	3.1	3	5.3	4.5

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MP-MW16-03	CDE-MP-MW16-04	CDE-MP-MW16-05	CDE-MP-MW16-06	CDE-MP-MW16-07	CDE-MP-MW20-01	CDE-MP-MW20-02
LOCATION (WELL ID)		MW-16-03	MW-16-04	MW-16-05	MW-16-06	MW-16-07	MW-20-01	MW-20-02
DEPTH (FT)		85-95	108-118	135-145	170-180	195-205	25-35	85-95
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/22/2009	10/16/2009	10/16/2009
Alkalinity, Total as CaCO3 (mg/L)	N/A	171	161	166	158	164	144	161
Chloride (mg/L)	250,000	41.3	43.2	36	32.4	41	372	74.9
Dissolved Organic Carbon (mg/L)	N/A	3.4	2.2	3.2	2.3	1.3	5.4	1.4
Ethane (ug/L)	N/A	0.67	0.54	1.4	ND	ND	0.18	0.38
Ethene (ug/L)	N/A	0.63	0.45	2.3	ND	ND	0.26	0.34
Hardness, Total as CaCO3 (mg/L)	250,000	207	225	182	227	225	242	238
Methane (ug/L)	N/A	1.4	0.8	2.4	0.19	0.38	0.17	0.26
Nitrogen, Nitrate (mg/L)	10,000	1.1	2	1.2	1.5	ND	2.5	3.6
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	1.1	2	1.2	1.5	0.11	2.5	3.7
Nitrogen, Nitrite (mg/L)	1,000	ND	ND	0.028	0.012	0.01	0.02	0.065
Sulfate (mg/L)	250,000	32	26.2	37.9	50	42.3	68.1	44.8
Total Organic Carbon (mg/L)	N/A	2.9	1.5	3.2	2.3	1.6	5.7	1.5

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MP-MW24	CDE-MP-MW20-03	CDE-MP-MW20-04	CDE-MP-MW20-05	CDE-MP-MW20-06	CDE-MP-MW20-07	CDE-MP-MW20-08
LOCATION (WELL ID)		DUP of MW-20-02	MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07	MW-20-08
DEPTH (FT)		85-95	125-135	175-185	205-215	250-260	297-307	355-365
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		10/16/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
Alkalinity, Total as CaCO3 (mg/L)	N/A	153	144	135	153	151	147	134
Chloride (mg/L)	250,000	74.8	56.9	37.4	30.9	32.1	30.5	20.7
Dissolved Organic Carbon (mg/L)	N/A	1.3	2	2	1.4	1.6	1.9	2.3
Ethane (ug/L)	N/A	0.34	ND	0.15	ND	ND	0.14	ND
Ethene (ug/L)	N/A	0.34	ND	ND	ND	ND	ND	ND
Hardness, Total as CaCO3 (mg/L)	250,000	238	230	204	213	209	223	223
Methane (ug/L)	N/A	0.24	ND	0.13	ND	ND	0.16	ND
Nitrogen, Nitrate (mg/L)	10,000	3.1	4	2.1	1.2	1.4	0.96	0.78
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	3.2	4	2.1	1.2	1.4	0.96	0.79
Nitrogen, Nitrite (mg/L)	1,000	0.059	0.012	0.032	0.039	ND	ND	ND
Sulfate (mg/L)	250,000	48.1	36	43.3	59.9	65.7	93.8	109
Total Organic Carbon (mg/L)	N/A	1.3	1.2	1.3	1.4	ND	ND	1.4

Notes:

ND = non-detect

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MP-MW21-01	CDE-MP-MW21-02	CDE-MP-MW21-03	CDE-MP-MW21-04	CDE-MP-MW21-05	CDE-MP-MW21-06	CDE-MP-MW21-07
LOCATION (WELL ID)		MW-21-01	MW-21-02	MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07
DEPTH (FT)		50-60	87-97	150-160	205-215	260-270	428-438	485-495
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/22/2009	10/23/2009	10/22/2009
Alkalinity, Total as CaCO3 (mg/L)	N/A	161	166	142	147	106	118	91
Chloride (mg/L)	250,000	16.9	17.2	17.4	16.8	13.4	13	23.9
Dissolved Organic Carbon (mg/L)	N/A	1.9	3.2	2.6	5.1	2.8	ND	3.3
Ethane (ug/L)	N/A	ND	ND	ND	0.16	ND	ND	ND
Ethene (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Hardness, Total as CaCO3 (mg/L)	250,000	355	493	492	563	547	614	1220
Methane (ug/L)	N/A	0.11	0.13	0.1	0.32	0.14	ND	0.11
Nitrogen, Nitrate (mg/L)	10,000	0.43	0.84	0.81	0.98	ND	0.35	ND
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	0.45	0.85	0.83	1	0.14	0.39	ND
Nitrogen, Nitrite (mg/L)	1,000	0.024	0.013	0.022	0.019	0.063	0.042	0.012
Sulfate (mg/L)	250,000	267	443	426	581	663	627	1580
Total Organic Carbon (mg/L)	N/A	1.1	2.7	2.6	5.2	2.8	ND	3.4

Notes:

ND = non-detect

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TABLE 5-6
OU3 GROUNDWATER DETECTIONS- OCTOBER 2009
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MP-MW21-08	CDE-MP-MW28-03
LOCATION (WELL ID)		MW-21-08	DUP of MW-21-08
DEPTH (FT)		505-515	505-515
MATRIX		Groundwater	Groundwater
SAMPLE DATE		10/21/2009	10/22/2009
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	83.9	84.5
Chloride (mg/L)	250,000	26.3	25.9
Dissolved Organic Carbon (mg/L)	N/A	5.9	5.9
Ethane (ug/L)	N/A	ND	ND
Ethene (ug/L)	N/A	ND	ND
Hardness, Total as CaCO ₃ (mg/L)	250,000	1300	1230
Methane (ug/L)	N/A	0.13	0.11
Nitrogen, Nitrate (mg/L)	10,000	0.13	0.28
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	0.14	0.29
Nitrogen, Nitrite (mg/L)	1,000	ND	0.015 J
Sulfate (mg/L)	250,000	1540	1570
Total Organic Carbon (mg/L)	N/A	6.3	6.2

Notes:

ND = non-detect

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name		CDE-ERT1-01	CDE-ERT1-02	CDE-ERT1-03	CDE-ERT1-04	CDE-ERT1-05	CDE-ERT1-06	CDE-ERT1-07	CDE-ERT1-08	CDE-ERT2-01	CDE-ERT2-02	CDE-ERT2-03
Sample Location	Potential	ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01	ERT-2-02	ERT-2-03
Sample Depth	Cleanup	24-29 ft	33-43 ft	46-56 ft	59-64 ft	67-77 ft	100-105 ft	112-117 ft	135-140 ft	25-35 ft	40-50 ft	54-59 ft
Matrix	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	3/31/2010	3/31/2010	3/31/2010
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	0.067 J	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	0.098	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	0.165 J	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT2-04	CDE-MW25-01	CDE-ERT2-05	CDE-ERT2-06	CDE-ERT2-07	CDE-ERT3-01	CDE-ERT3-02	CDE-ERT3-03	CDE-ERT3-04	CDE-ERT3-05	CDE-ERT3-06
Sample Location		ERT-2-04	DUP of ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03	ERT-3-04	ERT-3-05	ERT-3-06
Sample Depth		70-75 ft	70-75 ft	97-107 ft	113-123 ft	127-137 ft	27-37 ft	55-65 ft	90-105 ft	110-120 ft	124-134 ft	138-148 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	0.46 J	0.27 J	0.09 J	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	0.46 J	0.27 J	0.09 J	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name		CDE-MW24-01	CDE-ERT4-01	CDE-MW25-03	CDE-ERT4-02	CDE-ERT4-03	CDE-ERT4-04	CDE-ERT4-05	CDE-ERT4-06	CDE-ERT4-07	CDE-ERT5-01
Sample Location	Potential	DUP of ERT-3-06	ERT-4-01	DUP of ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01
Sample Depth	Cleanup	138-148 ft	27-37 ft	27-37 ft	46-56 ft	61-66 ft	83-88 ft	91-106 ft	111-116 ft	128-138 ft	24-34 ft
Matrix	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/23/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/24/2010
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	0.19 J	ND	0.12 J	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	0.19 J	ND	0.12 J	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name		CDE-ERT5-02	CDE-ERT5-03	CDE-ERT5-04	CDE-ERT5-05	CDE-ERT5-06	CDE-ERT6-01	CDE-ERT6-02	CDE-ERT6-03	CDE-ERT6-04	CDE-ERT6-05	CDE-ERT7-01
Sample Location	Potential	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01	ERT-6-02	ERT-6-03	ERT-6-04	ERT-6-05	ERT-7-01
Sample Depth	Cleanup	37-47 ft	50-60 ft	77-87 ft	93-98 ft	120-130 ft	26-36 ft	75-85 ft	93-103 ft	107-117 ft	128-138 ft	25-35 ft
Matrix	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	4/8/2010
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	0.073 J	0.071 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	0.073 J	0.071 J	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT7-02	CDE-ERT7-03	CDE-ERT7-04	CDE-ERT7-05	CDE-ERT8-01	CDE-ERT8-02	CDE-ERT8-03	CDE-ERT8-05	CDE-ERT8-06	CDE-MW23-07	CDE-ERT8-07
Sample Location		ERT-7-02	ERT-7-03	ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02	ERT-8-03	ERT-8-05	ERT-8-06	DUP of ERT-8-06	ERT-8-07
Sample Depth		45-55 ft	65-75 ft	100-110 ft	130-140 ft	17-27 ft	31-41 ft	44-54 ft	87-97 ft	107-112 ft	107-112 ft	135-145 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-FPW-01	CDE-FPW-02	CDE-MW25-07	CDE-FPW-03	CDE-FPW-04	CDE-FPW-05	CDE-FPW-06	CDE-FPW-07	CDE-FPW-08	CDE-FPW-09	CDE-MW01A
Sample Location		FPW-01	FPW-02	DUP of FPW-02	FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08	FPW-09	MW-01A
Sample Depth		31-41 ft	46-51 ft	46-51 ft	100-110 ft	125-135 ft	180-190 ft	200-205 ft	235-245 ft	268-278 ft	300-310 ft	24-49 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	3/24/2010
Aroclor-1016	0.5	ND	ND	ND	ND	ND	0.14	ND	ND	0.067	ND	ND
Aroclor-1254	0.5	0.045 J	ND	ND	0.051 J	0.067 J	0.043 J	0.083 J	ND	0.089	ND	0.14 J
PCBs (Aroclors)	0.5	0.045 J	ND	ND	0.051 J	0.067 J	0.183 J	0.083 J	ND	0.156	ND	0.14 J

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW02A	CDE-MW23-05	CDE-MW03	CDE-MW04	CDE-MW05	CDE-MW06	CDE-MW07	CDE-MW08	CDE-MW09	CDE-MW10
Sample Location		MW-02A	DUP of MW-02A	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10
Sample Depth		24-49 ft	24-49 ft	17-32 ft	29-49 ft	25-45.5 ft	29-44 ft	43-58 ft	42-57.5 ft	29-54 ft	37-52 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/23/2010	3/23/2010	3/25/2010	3/31/2010	4/8/2010	3/31/2010	3/24/2010	3/25/2010	4/6/201	4/1/201
Aroclor-1016	0.5	ND	ND	ND	3	ND	ND	ND	ND	0.28	ND
Aroclor-1254	0.5	0.63 J	0.31 J	0.33 J	ND	5.4	9.6	ND	0.13 J	0.073 J	ND
PCBs (Aroclors)	0.5	0.63 J	0.31 J	0.33 J	3	5.4	9.6	ND	0.13 J	0.353 J	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW11	CDE-MW12	CDE-MW13-01	CDE-MW13-02	CDE-MW13-03	CDE-MW13-04	CDE-MW13-05	CDE-MW13-06	CDE-MW13-07	CDE-MW-14D-01
Sample Location		MW-11	MW-12	MW-13-01	MW-13-02	MW-13-03	MW-13-04	MW-13-05	MW-13-06	MW-13-07	MW-14D-01
Sample Depth		34-59 ft	35-60 ft	18-28 ft	35-45 ft	63-73 ft	95-105 ft	115-125 ft	150-160 ft	230-240 ft	80-85 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/29/2010	4/5/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/6/2010
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15
Aroclor-1254	0.5	190 J	16	ND	ND	ND	0.065 J	ND	ND	ND	0.17 J
PCBs (Aroclors)	0.5	190 J	16	ND	ND	ND	0.065 J	ND	ND	ND	0.32 J

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW-14D-02	CDE-MW-14D-03	CDE-MW-14S-01	CDE-MW-14S-02	CDE-MW-14S-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW15D-02	CDE-MW15S-01
Sample Location		MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02	MW-14S-03	MW-14S-04	MW-15D-01	MW-15D-02	MW-15S-01
Sample Depth		123-133 ft	199-209 ft	30-35 ft	41-46 ft	55-60 ft	65-70 ft	125-135 ft	185-195 ft	30-40 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010
Aroclor-1016	0.5	0.3 J	0.78	14	30	3.8 J	27 J	0.28 J	ND	0.43 J
Aroclor-1254	0.5	0.69 J	0.55 J	24 J	71 J	6 J	38 J	ND	0.056 J	ND
PCBs (Aroclors)	0.5	0.99 J	1.33 J	38 J	101 J	9.8 J	65 J	0.28 J	0.056 J	0.43 J

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name		CDE-MW15S-02	CDE-MW16-01	CDE-MW16-02	CDE-MW16-03	CDE-MW16-04	CDE-MW16-05	CDE-MW16-06	CDE-MW16-07	CDE-MW17-01	CDE-MW17-02
Sample Location	Potential	MW-15S-02	MW-16-01	MW-16-02	MW-16-03	MW-16-04	MW-16-05	MW-16-06	MW-16-07	MW-17-01	MW-17-02
Sample Depth	Cleanup	70-80 ft	20-30 ft	40-50 ft	85-95 ft	108-118 ft	135-145 ft	170-180 ft	195-205 ft	170-180 ft	205-215 ft
Matrix	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/6/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	3/26/2010	3/26/2010
Aroclor-1016	0.5	0.064 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	0.064 J	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW17-03	CDE-MW-18-01	CDE-MW-18-02	CDE-MW-19-01	CDE-MW19-02	CDE-MW19-03	CDE-MW19-04	CDE-MW19-05	CDE-MW19-06	CDE-MW19-07
Sample Location		MW-17-03	MW-18-01	MW-18-02	MW-19-01	MW-19-02	MW-19-03	MW-19-04	MW-19-05	MW-19-06	MW-19-07
Sample Depth		235-245 ft	160-170 ft	210-220 ft	65-75 ft	132-142 ft	200-210 ft	257-267 ft	367-377 ft	480-490 ft	545-555 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/26/2010	3/24/2010	3/24/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	0.11 J	ND	ND	ND	ND	0.14 J	ND	ND	ND
PCBs (Aroclors)	0.5	ND	0.11 J	ND	ND	ND	ND	0.14 J	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW23-02	CDE-MW20-01	CPE-MW20-02	CDE-MW20-03	CDE-MW20-04	CDE-MW20-05	CDE-MW20-06	CDE-MW20-07	CDE-MW20-08	CDE-MW21-01
Sample Location		DUP of MW-19-07	MW-20-01	MW-20-02	MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07	MW-20-08	MW-21-01
Sample Depth		545-555 ft	25-35 ft	85-95 ft	125-135 ft	175-185 ft	205-215 ft	250-260 ft	297-307 ft	355-365 ft	50-60 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/29/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	4/5/2010
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	0.038 J	ND	ND	ND	0.12	0.031 J	0.17	ND	ND
PCBs (Aroclors)	0.5	ND	0.038 J	ND	ND	ND	0.12	0.031 J	0.17	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name		CDE-MW21-02	CDE-MW21-03	CDE-MW24-05	CDE-MW21-04	CDE-MW21-05	CDE-MW21-06	CDE-MW21-07	CDE-MW21-08	CDE-MW22-01	CDE-MW22-02
Sample Location	Potential	MW-21-02	MW-21-03	DUP of MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07	MW-21-08	MW-22-01	MW-22-02
Sample Depth	Cleanup	87-97 ft	150-160 ft	150-160 ft	205-215 ft	260-270 ft	428-438 ft	485-495 ft	505-515 ft	45-55 ft	125-135 ft
Matrix	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	3/25/2010	3/25/2010
Aroclor-1016	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclors)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW22-03	CDE-MW22-04
Sample Location		MW-22-03	MW-22-04
Sample Depth		210-220 ft	305-315 ft
Matrix		Groundwater	Groundwater
Units		ug/L	ug/L
Sample Date		3/25/2010	3/25/2010
Aroclor-1016	0.5	ND	ND
Aroclor-1254	0.5	ND	ND
PCBs (Aroclors)	0.5	ND	ND

Notes:

ND = non-detect

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT1-01	CDE-ERT1-02	CDE-ERT1-03	CDE-ERT1-04	CDE-ERT1-05	CDE-ERT1-06	CDE-ERT1-07	CDE-ERT1-08	CDE-ERT2-01
Sample Location		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01
Sample Depth		24-29 ft	33-43 ft	46-56 ft	59-64 ft	67-77 ft	100-105 ft	112-117 ft	135-140 ft	25-35 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	3/31/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	ND	ND	ND	ND	ND	ND	*
Endosulfan I	40	ND	ND	ND	ND	ND	ND	ND	ND	R
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

* = compound detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Ground water Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT2-02	CDE-ERT2-03	CDE-ERT2-04	CDE-MW25-01	CDE-ERT2-05	CDE-ERT2-06	CDE-ERT2-07	CDE-ERT3-01	CDE-ERT3-02
Sample Location		ERT-2-02	ERT-2-03	ERT-2-04	DUP of ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02
Sample Depth		40-50 ft	54-59 ft	70-75 ft	70-75 ft	97-107 ft	113-123 ft	127-137 ft	27-37 ft	55-65 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/23/2010	3/23/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	*	ND	ND	ND	ND	ND	ND
Endosulfan I	40	ND	ND	R	ND	ND	ND	ND	ND	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Ground water Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT3-03	CDE-ERT3-04	CDE-ERT3-05	CDE-ERT3-06	CDE-MW24-01	CDE-ERT4-01	CDE-MW25-03	CDE-ERT4-02	CDE-ERT4-03
Sample Location		ERT-3-03	ERT-3-04	ERT-3-05	ERT-3-06	DUP of ERT-3-06	ERT-4-01	DUP of ERT-4-01	ERT-4-02	ERT-4-03
Sample Depth		90-105 ft	110-120 ft	124-134 ft	138-148 ft	138-148 ft	27-37 ft	27-37 ft	46-56 ft	61-66 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	0.057 J	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	ND	ND	ND	ND	*	ND	ND
Endosulfan I	40	ND	ND	ND	ND	ND	ND	R	ND	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	0.057 J	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Ground water Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT4-04	CDE-ERT4-05	CDE-ERT4-06	CDE-ERT4-07	CDE-ERT5-01	CDE-ERT5-02	CDE-ERT5-03	CDE-ERT5-04	CDE-ERT5-05
Sample Location		ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05
Sample Depth		83-88 ft	91-106 ft	111-116 ft	128-138 ft	24-34 ft	37-47 ft	50-60 ft	77-87 ft	93-98 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	0.08 JN	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	0.08 JN	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	0.22 J	ND	ND	ND	ND	ND	ND

Notes:

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The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Ground water Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT5-06	CDE-ERT6-01	CDE-ERT6-02	CDE-ERT6-03	CDE-ERT6-04	CDE-ERT6-05	CDE-ERT7-01	CDE-ERT7-02	CDE-ERT7-03
Sample Location		ERT-5-06	ERT-6-01	ERT-6-02	ERT-6-03	ERT-6-04	ERT-6-05	ERT-7-01	ERT-7-02	ERT-7-03
Sample Depth		120-130 ft	26-36 ft	75-85 ft	93-103 ft	107-117 ft	128-138 ft	25-35 ft	45-55 ft	65-75 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/24/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	4/8/2010	4/8/2010	4/8/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND	ND

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The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Ground water Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT7-04	CDE-ERT7-05	CDE-ERT8-01	CDE-ERT8-02	CDE-ERT8-03	CDE-ERT8-05	CDE-ERT8-06	CDE-MW23-07	CDE-ERT8-07
Sample Location		ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02	ERT-8-03	ERT-8-05	ERT-8-06	DUP of ERT-8-06	ERT-8-07
Sample Depth		100-110 ft	130-140 ft	17-27 ft	31-41 ft	44-54 ft	87-97 ft	107-112 ft	107-112 ft	135-145 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/8/2010	4/8/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	0.22	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	ND	ND	ND	ND	ND	*	ND
Endosulfan I	40	ND	ND	ND	ND	ND	ND	ND	R	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-FPW-01	CDE-FPW-02	CDE-MW25-07	CDE-FPW-03	CDE-FPW-04	CDE-FPW-05	CDE-FPW-06	CDE-FPW-07	CDE-FPW-08
Sample Location		FPW-01	FPW-02	DUP of FPW-02	FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08
Sample Depth		31-41 ft	46-51 ft	46-51 ft	100-110 ft	125-135 ft	180-190 ft	200-205 ft	235-245 ft	268-278 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	ND	ND	*	ND	ND	ND	ND	ND	ND
Endosulfan I	40	ND	ND	R	ND	ND	ND	ND	ND	ND
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-FPW-09	CDE-MW01A	CDE-MW02A	CDE-MW23-05	CDE-MW03	CDE-MW04	CDE-MW05	CDE-MW06	CDE-MW07
Sample Location		FPW-09	MW-01A	MW-02A	DUP of MW-02A	MW-03	MW-04	MW-05	MW-06	MW-07
Sample Depth		300-310 ft	24-49 ft	24-49 ft	24-49 ft	17-32 ft	29-49 ft	25-45.5 ft	29-44 ft	43-58 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	3/24/2010	3/23/2010	3/23/2010	3/25/2010	3/31/2010	4/8/2010	3/31/2010	3/24/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	R	0.2 JN	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	R	R	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	0.16 JN	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	0.072	0.27 JN	0.29	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	0.2 J	0.19 J	ND
Endosulfan (alpha + beta)	40	ND	*	ND	ND	*	*	*	*	*
Endosulfan I	40	ND	R	ND	ND	R	R	R	R	R
Endosulfan II	40	ND	ND	ND	ND	ND	ND	0.17 J	0.2	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	0.078 J	0.12 J	ND
Endrin	2	ND	ND	ND	ND	ND	ND	0.19 JN	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	0.11 J	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	0.072	0.27 JN	0.29	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW08	CDE-MW09	CDE-MW10	CDE-MW11	CDE-MW12	CDE-MW13-01	CDE-MW13-02	CDE-MW13-03	CDE-MW13-04
Sample Location		MW-08	MW-09	MW-10	MW-11	MW-12	MW-13-01	MW-13-02	MW-13-03	MW-13-04
Sample Depth		42-57.5 ft	29-54 ft	37-52 ft	34-59 ft	35-60 ft	18-28 ft	35-45 ft	63-73 ft	95-105 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/25/2010	4/6/201	4/1/201	3/29/2010	4/5/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010
4,4'-DDE	0.1	ND	6.1 JN	ND	9.8	R	ND	ND	ND	ND
4,4'-DDT	0.1	ND	17 J	ND	36 JN	R	ND	ND	ND	ND
alpha-BHC	0.02	ND	1.6	ND	2.7	1.2 J	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	7.8 J	ND	21 J	1.4	ND	ND	ND	ND
Dieldrin	0.03	ND	3.1 JN	ND	R	R	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	*	*	*	*	*	*	*	*	*
Endosulfan I	40	R	R	R	R	R	R	R	R	R
Endosulfan II	40	ND	5.9 J	ND	8.5	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	2.4 J	ND	3.1 JN	ND	ND	ND	ND	ND
Endrin	2	ND	R	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	3.9 J	ND	5.7	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	0.34 J	ND	0.61 J	1.3 J	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	7.8 J	ND	21 J	1.4	ND	ND	ND	ND
Heptachlor	0.05	ND	2.8	ND	4.5	5.1	ND	ND	ND	ND
Methoxychlor	40	ND	11	ND	ND	ND	ND	ND	ND	ND

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW13-05	CDE-MW13-06	CDE-MW13-07	CDE-MW-14D-01	CDE-MW-14D-02	CDE-MW-14D-03	CDE-MW-14S-01	CDE-MW-14S-02
Sample Location		MW-13-05	MW-13-06	MW-13-07	MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02
Sample Depth		115-125 ft	150-160 ft	230-240 ft	80-85 ft	123-133 ft	199-209 ft	30-35 ft	41-46 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	R	4.6 JN
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	R	12 JN
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	0.33	1.6
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	0.071 JN	0.67 JN	6.2 J
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	0.35 J	R
Endosulfan (alpha + beta)	40	*	*	*	*	*	*	*	*
Endosulfan I	40	R	R	R	R	R	R	R	R
Endosulfan II	40	ND	ND	ND	ND	ND	ND	0.61 J	4.6 J
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	0.25 J	2.1 J
Endrin	2	ND	ND	ND	ND	ND	ND	0.55 R	R
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	0.27 JN	2.5 JN
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	0.065 P	0.33 J
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	0.071 JN	0.67 JN	6.2 J
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	0.37 JN	2.6
Methoxychlor	40	ND	ND	ND	ND	ND	ND	0.97 JN	9.8

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW-14S-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW15D-02	CDE-MW15S-01	CDE-MW15S-02	CDE-MW16-01	CDE-MW16-02
Sample Location		MW-14S-03	MW-14S-04	MW-15D-01	MW-15D-02	MW-15S-01	MW-15S-02	MW-16-01	MW-16-02
Sample Depth		55-60 ft	65-70 ft	125-135 ft	185-195 ft	30-40 ft	70-80 ft	20-30 ft	40-50 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/7/2010	4/7/2010
4,4'-DDE	0.1	0.095 J	260 J	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	840 JN	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	0.09 JN	68	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	0.13 J	370 J	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	350 JN	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	*	*	*	*	*	*	*	*
Endosulfan I	40	R	R	R	R	R	R	R	R
Endosulfan II	40	ND	240 J	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	75 JN	ND	ND	ND	ND	ND	ND
Endrin	2	ND	R	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	150 J	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	14 JN	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	0.13 J	370 J	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	120 J	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	400 JN	ND	ND	ND	ND	ND	ND

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW16-03	CDE-MW16-04	CDE-MW16-05	CDE-MW16-06	CDE-MW16-07	CDE-MW17-01	CDE-MW17-02	CDE-MW17-03	CDE-MW18-01
Sample Location		MW-16-03	MW-16-04	MW-16-05	MW-16-06	MW-16-07	MW-17-01	MW-17-02	MW-17-03	MW-18-01
Sample Depth		85-95 ft	108-118 ft	135-145 ft	170-180 ft	195-205 ft	170-180 ft	205-215 ft	235-245 ft	160-170 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	3/26/2010	3/26/2010	3/26/2010	3/24/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	*	*	*	*	*	*	*	*	*
Endosulfan I	40	R	R	R	R	R	R	R	R	R
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW-18-02	CDE-MW-19-01	CDE-MW19-02	CDE-MW19-03	CDE-MW19-04	CDE-MW19-05	CDE-MW19-06	CDE-MW19-07
Sample Location		MW-18-02	MW-19-01	MW-19-02	MW-19-03	MW-19-04	MW-19-05	MW-19-06	MW-19-07
Sample Depth		210-220 ft	65-75 ft	132-142 ft	200-210 ft	257-267 ft	367-377 ft	480-490 ft	545-555 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/24/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	*	*	*	*	*	*	*	*
Endosulfan I	40	R	R	R	R	R	R	R	R
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = compound detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCL (NJAC 7:10-16), and the New Jersey Ground water Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW23-02	CDE-MW20-01	CPE-MW20-02	CDE-MW20-03	CDE-MW20-04	CDE-MW20-05	CDE-MW20-06	CDE-MW20-07
Sample Location		DUP of MW-19-07	MW-20-01	MW-20-02	MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07
Sample Depth		545-555 ft	25-35 ft	85-95 ft	125-135 ft	175-185 ft	205-215 ft	250-260 ft	297-307 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/29/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	*	*	*	*	*	*	*	*
Endosulfan I	40	R	R	R	R	R	R	R	R
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = compound detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Ground water Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW20-08	CDE-MW21-01	CDE-MW21-02	CDE-MW21-03	CDE-MW24-05	CDE-MW21-04	CDE-MW21-05	CDE-MW21-06
Sample Location		MW-20-08	MW-21-01	MW-21-02	MW-21-03	DUP of MW-21-03	MW-21-04	MW-21-05	MW-21-06
Sample Depth		355-365 ft	50-60 ft	87-97 ft	150-160 ft	150-160 ft	205-215 ft	260-270 ft	428-438 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/30/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	*	*	*	*	*	*	*	*
Endosulfan I	40	R	R	R	R	R	R	R	R
Endosulfan II	40	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = compound detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Ground water Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW21-07	CDE-MW21-08	CDE-MW22-01	CDE-MW22-02	CDE-MW22-03	CDE-MW22-04
Sample Location		MW-21-07	MW-21-08	MW-22-01	MW-22-02	MW-22-03	MW-22-04
Sample Depth		485-495 ft	505-515 ft	45-55 ft	125-135 ft	210-220 ft	305-315 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/5/2010	4/5/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010
4,4'-DDE	0.1	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.1	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	ND	ND	ND	ND	ND	ND
Chlordane (alpha + gamma)	0.5	ND	ND	ND	ND	ND	ND
Dieldrin	0.03	ND	ND	ND	ND	ND	ND
Endosulfan (alpha + beta)	40	*	*	*	*	*	*
Endosulfan I	40	R	R	R	R	R	R
Endosulfan II	40	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	40	ND	ND	ND	ND	ND	ND
Endrin	2	ND	ND	ND	ND	ND	ND
Endrin aldehyde	N/A	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.03	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.5	ND	ND	ND	ND	ND	ND
Heptachlor	0.05	ND	ND	ND	ND	ND	ND
Methoxychlor	40	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

* = compound detected but total could not be calculated due to rejected data

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Ground water Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential	CDE-ERT1-01	CDE-ERT1-02	CDE-ERT1-03	CDE-ERT1-04	CDE-ERT1-05	CDE-ERT1-06	CDE-ERT1-07	CDE-ERT1-08	CDE-ERT2-01
Sample Location	Cleanup	ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01
Sample Depth	Standard	24-29 ft	33-43 ft	46-56 ft	59-64 ft	67-77 ft	100-105 ft	112-117 ft	135-140 ft	25-35 ft
Matrix	ug/L	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	3/31/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	0.11 J	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	0.12 J	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	0.1 J	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	1.3	ND
cis-1,2-Dichloroethene	70	0.96 J	1.1	ND	0.25 J	0.67	ND	1.2	2.2 J	31
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	0.56	ND	4.9 J	19 J	320
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	0.34 J	ND	ND	ND	ND	ND	ND	1.9

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name		CDE-ERT1-01	CDE-ERT1-02	CDE-ERT1-03	CDE-ERT1-04	CDE-ERT1-05	CDE-ERT1-06	CDE-ERT1-07	CDE-ERT1-08	CDE-ERT2-01
Sample Location	Potential	ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01
Sample Depth	Cleanup	24-29 ft	33-43 ft	46-56 ft	59-64 ft	67-77 ft	100-105 ft	112-117 ft	135-140 ft	25-35 ft
Matrix	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	3/31/2010
Toluene	600	ND	ND	ND	ND	ND	ND	ND	ND	0.39 J
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	3.6	3.8	1.8	ND	ND	ND	ND	1.9	620
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT2-02	CDE-ERT2-03	CDE-ERT2-04	CDE-MW25-01	CDE-ERT2-05	CDE-ERT2-06	CDE-ERT2-07	CDE-ERT3-01	CDE-ERT3-02
Sample Location		ERT-2-02	ERT-2-03	ERT-2-04	DUP of ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02
Sample Depth		40-50 ft	54-59 ft	70-75 ft	70-75 ft	97-107 ft	113-123 ft	127-137 ft	27-37 ft	55-65 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/23/2010	3/23/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	0.28 J	1.1	0.93	0.82	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	0.33 J	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	1.9	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	0.07	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	1.3	0.84	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	0.6	0.61	ND	ND	0.26 J	0.28 J	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	1.1	0.93	0.39 J	0.38 J	0.49 J	0.52	0.49 J	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	44	22	120	98	66	89	120	ND	11
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	0.28 J	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	5	4.1	5.3	4.6	ND	0.41 J	0.31 J	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	1.5	0.83	0.53 J	0.47 J	1.1	1.2 J	11	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT2-02	CDE-ERT2-03	CDE-ERT2-04	CDE-MW25-01	CDE-ERT2-05	CDE-ERT2-06	CDE-ERT2-07	CDE-ERT3-01	CDE-ERT3-02
Sample Location		ERT-2-02	ERT-2-03	ERT-2-04	DUP of ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02
Sample Depth		40-50 ft	54-59 ft	70-75 ft	70-75 ft	97-107 ft	113-123 ft	127-137 ft	27-37 ft	55-65 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/23/2010	3/23/2010
Toluene	600	ND	ND	0.25 J	0.24 J	ND	0.76 J	0.3 J	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	0.39 J	0.25 J	0.56	0.63	2.5	ND	ND
Trichloroethene	1	600	450	550	470	840	1000	900	ND	4.8
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT3-03	CDE-ERT3-04	CDE-ERT3-05	CDE-ERT3-06	CDE-MW24-01	CDE-ERT4-01	CDE-MW25-03	CDE-ERT4-02	CDE-ERT4-03
Sample Location		ERT-3-03	ERT-3-04	ERT-3-05	ERT-3-06	DUP of ERT-3-06	ERT-4-01	DUP of ERT-4-01	ERT-4-02	ERT-4-03
Sample Depth		90-105 ft	110-120 ft	124-134 ft	138-148 ft	138-148 ft	27-37 ft	27-37 ft	46-56 ft	61-66 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	0.56	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	0.69	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	4.5 J	4.2 J	4.8 J	ND	0.81	1.2	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	0.037 J	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	0.13 J	0.14 J	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	35	100	560	590	590	49	45	45	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	0.83 J	0.35 J	0.61	ND	ND	ND	0.3 J	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND	ND	0.29 J
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	0.36 J	ND	5.8	ND	6	0.85	0.77	1.2	ND

R2-0002538

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT3-03	CDE-ERT3-04	CDE-ERT3-05	CDE-ERT3-06	CDE-MW24-01	CDE-ERT4-01	CDE-MW25-03	CDE-ERT4-02	CDE-ERT4-03
Sample Location		ERT-3-03	ERT-3-04	ERT-3-05	ERT-3-06	DUP of ERT-3-06	ERT-4-01	DUP of ERT-4-01	ERT-4-02	ERT-4-03
Sample Depth		90-105 ft	110-120 ft	124-134 ft	138-148 ft	138-148 ft	27-37 ft	27-37 ft	46-56 ft	61-66 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010
Toluene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	4.7 J	3.7 J	4.5 J	ND	ND	ND	ND
Trichloroethene	1	78	180	1300	1500	1500	310	310	290	ND
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT4-04	CDE-ERT4-05	CDE-ERT4-06	CDE-ERT4-07	CDE-ERT5-01	CDE-ERT5-02	CDE-ERT5-03	CDE-ERT5-04	CDE-ERT5-05
Sample Location		ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05
Sample Depth		83-88 ft	91-106 ft	111-116 ft	128-138 ft	24-34 ft	37-47 ft	50-60 ft	77-87 ft	93-98 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	2.5 J	1.7	1.3	0.77	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	0.71	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	77	85	80	80	ND	ND	ND	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	0.54	ND	ND	0.23 J	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	0.3 J	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	1.9	1.6	1.5	1.5	ND	ND	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name		CDE-ERT4-04	CDE-ERT4-05	CDE-ERT4-06	CDE-ERT4-07	CDE-ERT5-01	CDE-ERT5-02	CDE-ERT5-03	CDE-ERT5-04	CDE-ERT5-05
Sample Location	Potential	ERT-4-04	ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05
Sample Depth	Cleanup	83-88 ft	91-106 ft	111-116 ft	128-138 ft	24-34 ft	37-47 ft	50-60 ft	77-87 ft	93-98 ft
Matrix	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010
Toluene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	0.53 J	0.51	0.45 J	0.71	ND	ND	ND	ND	ND
Trichloroethene	1	460	480	440	450	ND	ND	ND	0.47 J	0.58
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT5-06	CDE-ERT6-01	CDE-ERT6-02	CDE-ERT6-03	CDE-ERT6-04	CDE-ERT6-05	CDE-ERT7-01	CDE-ERT7-02	CDE-ERT7-03
Sample Location		ERT-5-06	ERT-6-01	ERT-6-02	ERT-6-03	ERT-6-04	ERT-6-05	ERT-7-01	ERT-7-02	ERT-7-03
Sample Depth		120-130 ft	26-36 ft	75-85 ft	93-103 ft	107-117 ft	128-138 ft	25-35 ft	45-55 ft	65-75 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/24/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	4/8/2010	4/8/2010	4/8/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	1.2	0.36 J	ND	ND	1.5	2.5	ND	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name		CDE-ERT5-06	CDE-ERT6-01	CDE-ERT6-02	CDE-ERT6-03	CDE-ERT6-04	CDE-ERT6-05	CDE-ERT7-01	CDE-ERT7-02	CDE-ERT7-03
Sample Location	Potential	ERT-5-06	ERT-6-01	ERT-6-02	ERT-6-03	ERT-6-04	ERT-6-05	ERT-7-01	ERT-7-02	ERT-7-03
Sample Depth	Cleanup	120-130 ft	26-36 ft	75-85 ft	93-103 ft	107-117 ft	128-138 ft	25-35 ft	45-55 ft	65-75 ft
Matrix	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/24/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	4/8/2010	4/8/2010	4/8/2010
Toluene	600	ND	ND	ND	ND	ND	ND	ND	0.25 J	0.42 J
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	18	ND	ND	0.87	5.6	35	ND	ND	ND
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT7-04	CDE-ERT7-05	CDE-ERT8-01	CDE-ERT8-02	CDE-ERT8-03	CDE-ERT8-05	CDE-ERT8-06	CDE-MW23-07	CDE-ERT8-07
Sample Location		ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02	ERT-8-03	ERT-8-05	ERT-8-06	DUP of ERT-8-06	ERT-8-07
Sample Depth		100-110 ft	130-140 ft	17-27 ft	31-41 ft	44-54 ft	87-97 ft	107-112 ft	107-112 ft	135-145 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/8/2010	4/8/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	0.34 J	0.51	ND	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	1.1	9.3	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	2	ND	ND	ND	ND	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT7-04	CDE-ERT7-05	CDE-ERT8-01	CDE-ERT8-02	CDE-ERT8-03	CDE-ERT8-05	CDE-ERT8-06	CDE-MW23-07	CDE-ERT8-07
Sample Location		ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02	ERT-8-03	ERT-8-05	ERT-8-06	DUP of ERT-8-06	ERT-8-07
Sample Depth		100-110 ft	130-140 ft	17-27 ft	31-41 ft	44-54 ft	87-97 ft	107-112 ft	107-112 ft	135-145 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/8/2010	4/8/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010
Toluene	600	0.22 J	ND	ND	ND	ND	ND	11	12	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	14	24	ND	ND	ND	ND	ND	ND	0.54
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-FPW-01	CDE-FPW-02	CDE-MW25-07	CDE-FPW-03	CDE-FPW-04	CDE-FPW-05	CDE-FPW-06	CDE-FPW-07	CDE-FPW-08
Sample Location		FPW-01	FPW-02	DUP of FPW-02	FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08
Sample Depth		31-41 ft	46-51 ft	46-51 ft	100-110 ft	125-135 ft	180-190 ft	200-205 ft	235-245 ft	268-278 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010
1,1,1-Trichloroethane	30	ND	0.59	0.87 J	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	1	1.6 J	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	0.49 J	1.6	1.4	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	11	25 J	26	ND	0.93	0.93	0.71	0.77	0.85
1,1-Dichloroethene	1	24 J	59 J	81 J	ND	4	2.7	2.1	2.6	2.4
1,2,3-Trichlorobenzene	N/A	ND	0.85 J	1.1	ND	1.7 J	0.33 J	ND	ND	ND
1,2,4-Trichlorobenzene	9	0.4 J	3.2	3.6	7.6 J	5.4	0.87	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	0.2 J	0.62	0.6	ND	0.34 J	0.2 J	ND	ND	ND
1,2-Dichloroethane	2	0.32 J	0.64	ND	ND	ND	0.23 J	ND	ND	ND
1,3-Dichlorobenzene	600	0.24 J	0.34 J	0.37 J	ND	0.33 J	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	0.42 J	0.44 J	ND	1	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	8.2	ND	2.4 J	ND	10	6.8	ND	78	ND
Benzene	1	ND	ND	0.32 J	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	0.37 J	0.88	0.9	ND	0.47 J	ND	ND	ND	ND
Chloroform	70	ND	0.58	0.57	ND	ND	ND	ND	ND	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	550	460	730	5500	450	120	140	220	120
Cyclohexane	N/A	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	0.56	0.52	0.33 J	ND	3.7	9.3	2.5 J	1.5	11
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	2.2	28 J	34 J	ND	2.8	0.85	ND	0.16 J	0.33 J

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-FPW-01	CDE-FPW-02	CDE-MW25-07	CDE-FPW-03	CDE-FPW-04	CDE-FPW-05	CDE-FPW-06	CDE-FPW-07	CDE-FPW-08
Sample Location		FPW-01	FPW-02	DUP of FPW-02	FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08
Sample Depth		31-41 ft	46-51 ft	46-51 ft	100-110 ft	125-135 ft	180-190 ft	200-205 ft	235-245 ft	268-278 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010
Toluene	600	13	0.62	0.73	6 J	4.5	1.9	3.4	4.8	1
trans-1,2-Dichloroethene	100	7.4 J	5.8 J	7.4 J	10 J	2.3	0.64	0.86	1	0.47 J
Trichloroethene	1	54	520	940	7000	260	31	7.6	11	37
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	66 J	12	20 J	ND	4.3	2.2	2.4	2.9	0.92
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential	CDE-FPW-09	CDE-MW01A	CDE-MW02A	CDE-MW23-05	CDE-MW03	CDE-MW04	CDE-MW05	CDE-MW06	CDE-MW07
Sample Location	Cleanup	FPW-09	MW-01A	MW-02A	DUP of MW-02A	MW-03	MW-04	MW-05	MW-06	MW-07
Sample Depth	Standard	300-310 ft	24-49 ft	24-49 ft	24-49 ft	17-32 ft	29-49 ft	25-45.5 ft	29-44 ft	43-58 ft
Matrix	ug/L	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	3/24/2010	3/23/2010	3/23/2010	3/25/2010	3/31/2010	4/8/2010	3/31/2010	3/24/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	2.2	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	1.2 J	ND	ND	22 J	ND	ND	13	5.7 J
1,1-Dichloroethane	50	0.5 J	1.4	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	1.5	18 J	ND	1.2	10	ND	ND	6.9 J	2.6 J
1,2,3-Trichlorobenzene	N/A	ND	0.97	ND	ND	39 J	5.8 J	0.58 J	5.3	5.2
1,2,4-Trichlorobenzene	9	ND	2.3	ND	ND	150 J	40	2	24 J	20 J
1,2-Dibromo-3-chloropropane	0.02	ND	0.071	0.062	0.1	0.067 J	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	0.01 J	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	0.51	ND	ND	8.7	ND	ND	1.6	6.3
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	0.22 J	ND
1,3-Dichlorobenzene	600	ND	0.68	ND	ND	15	17	ND	2.3	5.7
1,4-Dichlorobenzene	75	ND	0.58	ND	ND	17	31	ND	3	10
2-Butanone	300	ND	ND	ND	ND	R	ND	ND	R	ND
Acetone	6000	ND	ND	ND	ND	0.82 J	ND	ND	2.1 J	ND
Benzene	1	ND	0.37 J	0.14 J	0.17 J	2.5 J	ND	ND	0.64	1
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	0.47 J	ND
Bromoform	4	ND	ND	ND	ND	2.9	ND	0.98	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	0.47 J	13	47	ND	2.2	21 J
Chloroform	70	ND	0.9	ND	ND	1.4	ND	ND	5	1.2
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	51	1200	17	18	1400	15000	4.4	1000	580
Cyclohexane	N/A	ND	ND	ND	ND	1.3 J	ND	ND	0.33 J	ND
Dibromochloromethane	1	ND	ND	ND	ND	1.2	ND	ND	0.43 J	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND	0.54 J	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	7.3 J	ND	0.89	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	0.48 J	2.2	ND	ND	48 J	6.9 J	3.2	110	1.8

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential	CDE-FPW-09	CDE-MW01A	CDE-MW02A	CDE-MW23-05	CDE-MW03	CDE-MW04	CDE-MW05	CDE-MW06	CDE-MW07
Sample Location	Cleanup	FPW-09	MW-01A	MW-02A	DUP of MW-02A	MW-03	MW-04	MW-05	MW-06	MW-07
Sample Depth	Standard	300-310 ft	24-49 ft	24-49 ft	24-49 ft	17-32 ft	29-49 ft	25-45.5 ft	29-44 ft	43-58 ft
Matrix	ug/L	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	3/24/2010	3/23/2010	3/23/2010	3/25/2010	3/31/2010	4/8/2010	3/31/2010	3/24/2010
Toluene	600	0.2 J	ND	ND	ND	0.27 J	ND	ND	0.25 J	ND
trans-1,2-Dichloroethene	100	ND	7.2 J	ND	ND	51 J	50	0.11 J	21 J	5.6 J
Trichloroethene	1	40	2300	4.1	4.8	1400	7400	18	1400	2800
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	56 J	ND	0.95	140 J	49	ND	57 J	12 J
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW08	CDE-MW09	CDE-MW10	CDE-MW11	CDE-MW12	CDE-MW13-01	CDE-MW13-02	CDE-MW13-03	CDE-MW13-04
Sample Location		MW-08	MW-09	MW-10	MW-11	MW-12	MW-13-01	MW-13-02	MW-13-03	MW-13-04
Sample Depth		42-57.5 ft	29-54 ft	37-52 ft	34-59 ft	35-60 ft	18-28 ft	35-45 ft	63-73 ft	95-105 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/25/2010	4/6/201	4/1/201	3/29/2010	4/5/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	0.24 J	0.45 J	0.56 J
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	1.7	ND	ND	120	15	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	0.28 J	0.59	1.1	1.2
1,1-Dichloroethene	1	4.3	ND	ND	280 J	ND	1.1	3.1	5.6 J	6.2 J
1,2,3-Trichlorobenzene	N/A	21 J	0.68 J	ND	89	280	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	99 J	1.1	ND	360	1600 J	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	0.072 J	ND	ND	ND	0.18	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	2.3	2.3	ND	18	56	ND	ND	ND	ND
1,2-Dichloroethane	2	0.63 J	ND	ND	15	ND	ND	0.23 J	0.51	0.57 J
1,3-Dichlorobenzene	600	0.41 J	3.1	ND	5 J	120	ND	ND	ND	ND
1,4-Dichlorobenzene	75	1.2	34 J	ND	41	110	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	4.8 J	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	4.4 J	6	ND	ND
Benzene	1	1	0.57	ND	24	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	0.25 J	0.41 J	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	1.1	54	ND	9.5 J	17	ND	ND	ND	ND
Chloroform	70	2	ND	ND	19	ND	2.4	2.8	1.7	0.91
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	1200	10	ND	53000	4800	14	100	120	180
Cyclohexane	N/A	2.1	ND	ND	13	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	20	ND	ND	ND	ND	ND
Isopropylbenzene	700	0.2 J	ND	ND	5.1 J	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	12 J	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	0.15 J	ND	ND	ND	2.1 J	3.1 J	4.5	4.7 J
Methylcyclohexane	N/A	3.7	ND	ND	42	11 J	ND	ND	ND	ND
Methylene chloride	3	0.68 J	0.46 J	ND	7 J	ND	3.3 J	ND	ND	ND
o-Xylene	N/A	2	ND	ND	85	ND	ND	ND	ND	ND
Tetrachloroethene	1	4.2	110 J	0.25 J	50	11 J	ND	ND	0.79	1.2

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW08	CDE-MW09	CDE-MW10	CDE-MW11	CDE-MW12	CDE-MW13-01	CDE-MW13-02	CDE-MW13-03	CDE-MW13-04
Sample Location		MW-08	MW-09	MW-10	MW-11	MW-12	MW-13-01	MW-13-02	MW-13-03	MW-13-04
Sample Depth		42-57.5 ft	29-54 ft	37-52 ft	34-59 ft	35-60 ft	18-28 ft	35-45 ft	63-73 ft	95-105 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/25/2010	4/6/201	4/1/201	3/29/2010	4/5/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010
Toluene	600	ND	0.13 J	ND	7.5 J	ND	21	28 J	8.2	1.3
trans-1,2-Dichloroethene	100	24 J	0.41 J	ND	1300 J	44	ND	ND	0.26 J	0.29 J
Trichloroethene	1	2500	120 J	1.2	23000	8800	4.8	21	49	150
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	2.3	0.5 J	ND	860 J	43	0.36 J	0.88	1.6	1.8
Xylenes (Total)	1000	2	ND	ND	97 J	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW13-05	CDE-MW13-06	CDE-MW13-07	CDE-MW-14D-01	CDE-MW-14D-02	CDE-MW-14D-03	CDE-MW-14S-01	CDE-MW-14S-02
Sample Location		MW-13-05	MW-13-06	MW-13-07	MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02
Sample Depth		115-125 ft	150-160 ft	230-240 ft	80-85 ft	123-133 ft	199-209 ft	30-35 ft	41-46 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010
1,1,1-Trichloroethane	30	0.26 J	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	0.48 J	ND	ND	2.5	73
1,1-Dichloroethane	50	1.2	0.89	0.92	ND	0.43 J	0.44 J	ND	ND
1,1-Dichloroethene	1	6.9	3.1	2.7	4.9 J	2	1.4	3.7	110
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	9 J	0.94 J	ND	1.8	35
1,2,4-Trichlorobenzene	9	ND	ND	ND	39 J	2.8	0.58	8.5	140
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	25 J	0.29 J	ND	0.87	15
1,2-Dichloroethane	2	0.48 J	0.59	0.29 J	0.23 J	0.23 J	ND	0.24 J	7.6 J
1,3-Dichlorobenzene	600	ND	ND	ND	32 J	0.81	0.28 J	1.7	22
1,4-Dichlorobenzene	75	ND	ND	ND	30 J	1.1	0.25 J	2.2	30
2-Butanone	300	ND	ND	ND	ND	ND	ND	R	R
Acetone	6000	ND	ND	ND	ND	ND	ND	R	R
Benzene	1	ND	ND	ND	0.44 J	0.24 J	ND	0.57	15
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	12	0.61	ND	0.21 J	5.4 J
Chloroform	70	1.6	1.3	1.1	0.34 J	1.2	0.37 J	0.47 J	13 J
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	88	69	63	1300	900	240	46000	43000
Cyclohexane	N/A	ND	ND	ND	2	ND	ND	0.25 J	6.2 J
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	0.62	17
Isopropylbenzene	700	ND	ND	ND	0.23 J	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	0.57	15
Methyl tert-butyl ether	70	4.2 J	4.5	15 J	ND	1.6	0.9	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	3.8	0.14 J	ND	1.2	20
Methylene chloride	3	ND	ND	ND	0.47 J	0.6	0.56	0.36 J	ND
o-Xylene	N/A	ND	ND	ND	1.1	ND	ND	1.4	40
Tetrachloroethene	1	0.95	0.46 J	0.7 J	ND	1.5	0.39 J	0.76	24

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW13-05	CDE-MW13-06	CDE-MW13-07	CDE-MW-14D-01	CDE-MW-14D-02	CDE-MW-14D-03	CDE-MW-14S-01	CDE-MW-14S-02
Sample Location		MW-13-05	MW-13-06	MW-13-07	MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02
Sample Depth		115-125 ft	150-160 ft	230-240 ft	80-85 ft	123-133 ft	199-209 ft	30-35 ft	41-46 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010
Toluene	600	5	3.4	5.3 J	11	25 J	13	0.9	31
trans-1,2-Dichloroethene	100	0.2 J	ND	ND	13 J	2.9	1	21 J	580 J
Trichloroethene	1	55	60	48	40 J	18	28	17000	19000
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	2.2	0.85	0.37 J	41 J	7	1.6	21 J	530 J
Xylenes (Total)	1000	ND	ND	ND	1.1	ND	ND	1.97	55

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential	CDE-MW-14S-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW15D-02	CDE-MW15S-01	CDE-MW15S-02	CDE-MW16-01	CDE-MW16-02
Sample Location	Cleanup	MW-14S-03	MW-14S-04	MW-15D-01	MW-15D-02	MW-15S-01	MW-15S-02	MW-16-01	MW-16-02
Sample Depth	Standard	55-60 ft	65-70 ft	125-135 ft	185-195 ft	30-40 ft	70-80 ft	20-30 ft	40-50 ft
Matrix	ug/L	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/7/2010	4/7/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	1.6	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	0.23 J	ND	ND	0.55	0.33 J
1,1-Dichloroethene	1	4	33	ND	ND	0.84	ND	0.78	1.7
1,2,3-Trichlorobenzene	N/A	0.84 J	70 J	ND	ND	6.9	0.91 J	ND	ND
1,2,4-Trichlorobenzene	9	3	320 J	ND	ND	33 J	0.4 J	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	0.039 J	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	0.8	23	ND	ND	1.1	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	1.9	59	ND	ND	ND	0.3 J	ND	ND
1,4-Dichlorobenzene	75	1.8	55	ND	ND	0.43 J	0.36 J	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND	ND	ND	ND	3.5 J
Benzene	1	0.47 J	ND	ND	ND	0.29 J	ND	ND	0.37 J
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	0.36 J	12 J	ND	ND	0.45 J	ND	ND	ND
Chloroform	70	0.34 J	ND	ND	ND	1.1	0.51	0.37 J	ND
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	32000	15000	13	13	450	160	300	780
Cyclohexane	N/A	ND	ND	ND	ND	0.29 J	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	0.43 J	8.7 J	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	0.41 J	12 J	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	0.61 J	0.67	ND	ND	0.24 J	0.44 J
Methylcyclohexane	N/A	1.2	16	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	2 J	ND	ND	0.41 J	ND	ND
o-Xylene	N/A	0.99	19	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	0.69	11 J	0.88	0.38 J	1.5	7.3	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW-14S-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW15D-02	CDE-MW15S-01	CDE-MW15S-02	CDE-MW16-01	CDE-MW16-02
Sample Location		MW-14S-03	MW-14S-04	MW-15D-01	MW-15D-02	MW-15S-01	MW-15S-02	MW-16-01	MW-16-02
Sample Depth		55-60 ft	65-70 ft	125-135 ft	185-195 ft	30-40 ft	70-80 ft	20-30 ft	40-50 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/7/2010	4/7/2010
Toluene	600	1.2	19	1.8	6.4	3.4	0.31 J	18	26 J
trans-1,2-Dichloroethene	100	16	110	ND	ND	4.6	0.48 J	2.8	3.1
Trichloroethene	1	11000	1700	15	12	1400	320	320	24 J
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	14	150	ND	ND	ND	ND	15	180
Xylenes (Total)	1000	1.4 J	31 J	ND	ND	ND	ND	ND	ND

Notes:
 ND = non-detect
 R = rejected
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
 Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW16-03	CDE-MW16-04	CDE-MW16-05	CDE-MW16-06	CDE-MW16-07	CDE-MW17-01	CDE-MW17-02	CDE-MW17-03	CDE-MW18-01
Sample Location		MW-16-03	MW-16-04	MW-16-05	MW-16-06	MW-16-07	MW-17-01	MW-17-02	MW-17-03	MW-18-01
Sample Depth		85-95 ft	108-118 ft	135-145 ft	170-180 ft	195-205 ft	170-180 ft	205-215 ft	235-245 ft	160-170 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	3/26/2010	3/26/2010	3/26/2010	3/24/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	1.3	2.2	0.79	ND	ND	0.35 J	ND	ND	ND
1,1-Dichloroethane	50	0.61	0.87	0.43 J	0.31 J	0.73	0.29 J	0.2 J	0.25 J	ND
1,1-Dichloroethene	1	7.6 J	7.2 J	3.2 J	1.3	2.8	1.4	0.94	0.84	ND
1,2,3-Trichlorobenzene	N/A	0.22 J	0.73 J	ND	ND	1	ND	ND	ND	R
1,2,4-Trichlorobenzene	9	0.38 J	1.5	ND	ND	1.8	ND	ND	ND	R
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	R
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	0.15 J	0.21 J	ND	ND	ND	ND	ND	ND	R
1,2-Dichloroethane	2	ND	0.44 J	ND	ND	0.29 J	ND	ND	ND	ND
1,3-Dichlorobenzene	600	0.17 J	0.21 J	ND	ND	0.2 J	ND	0.015 J	ND	R
1,4-Dichlorobenzene	75	0.25 J	0.38 J	ND	ND	0.71	ND	ND	ND	R
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	ND	ND	11	30	3.9 J	ND	ND	35	ND
Benzene	1	0.93	0.59	ND	ND	ND	ND	ND	0.23 J	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	R
Carbon tetrachloride	1	0.72 J	0.25 J	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	0.46 J	0.57	ND	ND	0.33 J	ND	ND	ND	ND
Chloroform	70	1.1	1.2	ND	ND	0.33 J	ND	0.26 J	0.77	ND
Chloromethane	N/A	ND	ND	0.62 J	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	470	1100	590	420	180	260	170	390	1.6 J
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	0.53 J	0.73	1.3	2	4.6	15	1.4	4.3	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	2.8	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	5.5	6.1	ND	ND	2.2	2.9	0.88	0.72	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW16-03	CDE-MW16-04	CDE-MW16-05	CDE-MW16-06	CDE-MW16-07	CDE-MW17-01	CDE-MW17-02	CDE-MW17-03	CDE-MW18-01
Sample Location		MW-16-03	MW-16-04	MW-16-05	MW-16-06	MW-16-07	MW-17-01	MW-17-02	MW-17-03	MW-18-01
Sample Depth		85-95 ft	108-118 ft	135-145 ft	170-180 ft	195-205 ft	170-180 ft	205-215 ft	235-245 ft	160-170 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	3/26/2010	3/26/2010	3/26/2010	3/24/2010
Toluene	600	2.9	20 J	7.6	7.9	3.3	1.2	0.97	24	9.8
trans-1,2-Dichloroethene	100	6 J	6.5 J	4 J	0.99	0.63	1.5	0.55	1.3	ND
Trichloroethene	1	620	1600	26	1.6	280	830	380	690	20
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	0.38 J	1.1	0.3 J	ND
Vinyl chloride	1	110	100 J	46 J	23	9.9	ND	ND	0.56	ND
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW-18-02	CDE-MW-19-01	CDE-MW19-02	CDE-MW19-03	CDE-MW19-04	CDE-MW19-05	CDE-MW19-06	CDE-MW19-07
Sample Location		MW-18-02	MW-19-01	MW-19-02	MW-19-03	MW-19-04	MW-19-05	MW-19-06	MW-19-07
Sample Depth		210-220 ft	65-75 ft	132-142 ft	200-210 ft	257-267 ft	367-377 ft	480-490 ft	545-555 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/24/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010
1,1,1-Trichloroethane	30	ND	0.41 J	0.34 J	0.72 J	ND	0.17 J	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	0.16 J	0.19 J	0.28 J	ND	0.13 J	ND	ND
1,1-Dichloroethene	1	ND	2.2	1.6	3.5	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	0.22 J	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	1.8 J	ND	ND	ND
Acetone	6000	ND	70	ND	ND	44	ND	21	2.2 J
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	0.72	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	0.79	ND	0.43 J	1.1	ND	0.73	0.53
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	1.9	0.32 J	0.62	0.79	ND	ND	ND	ND
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	0.19 J	ND	ND	ND	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	1.8	ND	0.23 J	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	0.12 J	0.19 J	0.91	2.1	ND	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW-18-02	CDE-MW-19-01	CDE-MW19-02	CDE-MW19-03	CDE-MW19-04	CDE-MW19-05	CDE-MW19-06	CDE-MW19-07
Sample Location		MW-18-02	MW-19-01	MW-19-02	MW-19-03	MW-19-04	MW-19-05	MW-19-06	MW-19-07
Sample Depth		210-220 ft	65-75 ft	132-142 ft	200-210 ft	257-267 ft	367-377 ft	480-490 ft	545-555 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/24/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010
Toluene	600	0.15 J	1.8	0.42 J	1.5	1.5	0.35 J	1.3	2.1
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	57	4.2	13	24	0.28 J	3.8	ND	ND
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW23-02	CDE-MW20-01	CPE-MW20-02	CDE-MW20-03	CDE-MW20-04	CDE-MW20-05	CDE-MW20-06	CDE-MW20-07	CDE-MW20-08
Sample Location		DUP of MW-19-07	MW-20-01	MW-20-02	MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07	MW-20-08
Sample Depth		545-555 ft	25-35 ft	85-95 ft	125-135 ft	175-185 ft	205-215 ft	250-260 ft	297-307 ft	355-365 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/29/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	0.4 J	ND
1,1-Dichloroethane	50	ND	ND	0.14 J	0.24 J	ND	0.24 J	ND	0.39 J	ND
1,1-Dichloroethene	1	ND	ND	1.3 J	1.3	ND	1.6	1.4	2.2	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	0.27 J	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	2.2 J	5.1	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	0.21 J	0.29 J	ND	ND	ND	ND	ND	0.22 J
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	0.48 J
Bromoform	4	ND	ND	ND	ND	ND	ND	0.37 J	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	0.58	ND	0.36 J	0.55	0.48 J	0.44 J	0.36 J	0.77	3
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	ND	110	180	240	270	630	110	350	16
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	0.21 J	0.24 J	0.24 J	ND	0.4 J
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	4.4 J	0.44 J	0.66	0.39 J	0.59	0.34 J	0.47 J	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	0.28 J	0.99 J	1.7 J	0.84	0.96	1	2.8 J	0.5 J

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW23-02	CDE-MW20-01	CPE-MW20-02	CDE-MW20-03	CDE-MW20-04	CDE-MW20-05	CDE-MW20-06	CDE-MW20-07	CDE-MW20-08
Sample Location		DUP of MW-19-07	MW-20-01	MW-20-02	MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07	MW-20-08
Sample Depth		545-555 ft	25-35 ft	85-95 ft	125-135 ft	175-185 ft	205-215 ft	250-260 ft	297-307 ft	355-365 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/29/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010
Toluene	600	2.2	2.1	ND	ND	ND	ND	ND	2.2 J	1.7
trans-1,2-Dichloroethene	100	ND	ND	0.58 J	0.89	0.83	0.74	0.66	1.2	0.16 J
Trichloroethene	1	ND	31	190	580	230	730	310	880	170
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard Units Sample Date	CDE-MW21-01	CDE-MW21-02	CDE-MW21-03	CDE-MW24-05	CDE-MW21-04	CDE-MW21-05	CDE-MW21-06	CDE-MW21-07	CDE-MW21-08
Sample Location		MW-21-01	MW-21-02	MW-21-03	DUP of MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07	MW-21-08
Sample Depth		50-60 ft	87-97 ft	150-160 ft	150-160 ft	205-215 ft	260-270 ft	428-438 ft	485-495 ft	505-515 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
ug/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
4/5/2010		4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	2.3 J	ND	ND	ND	26	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	0.41 J	ND	ND	0.72	0.86
Chloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	0.93	1	1.1	1.1	1.4	2.1	1.3	0.31 J	0.7
Cyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	ND	ND	ND	ND	ND	ND	ND	0.96	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW21-01	CDE-MW21-02	CDE-MW21-03	CDE-MW24-05	CDE-MW21-04	CDE-MW21-05	CDE-MW21-06	CDE-MW21-07	CDE-MW21-08
Sample Location		MW-21-01	MW-21-02	MW-21-03	DUP of MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07	MW-21-08
Sample Depth		50-60 ft	87-97 ft	150-160 ft	150-160 ft	205-215 ft	260-270 ft	428-438 ft	485-495 ft	505-515 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010
Toluene	600	0.28 J	0.23 J	0.37 J	0.34 J	1.1	0.24 J	0.25 J	86	2.7
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	18	19	19	11	22	25	23	1.9	3.4
Trichlorofluoromethane	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential	CDE-MW22-01	CDE-MW22-02	CDE-MW22-03	CDE-MW22-04
Sample Location	Cleanup	MW-22-01	MW-22-02	MW-22-03	MW-22-04
Sample Depth	Standard	45-55 ft	125-135 ft	210-220 ft	305-315 ft
Matrix	ug/L	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L
Sample Date		3/25/2010	3/25/2010	3/25/2010	3/25/2010
1,1,1-Trichloroethane	30	ND	ND	1	0.56
1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	1.2	0.78
1,1-Dichloroethene	1	ND	ND	4.9 J	4.3 J
1,2,3-Trichlorobenzene	N/A	ND	R	ND	ND
1,2,4-Trichlorobenzene	9	ND	R	ND	ND
1,2-Dibromo-3-chloropropane	0.02	ND	ND	ND	ND
1,2-Dibromoethane	0.03	ND	ND	ND	ND
1,2-Dichlorobenzene	600	ND	R	ND	ND
1,2-Dichloroethane	2	ND	ND	0.55	0.47 J
1,3-Dichlorobenzene	600	ND	R	ND	ND
1,4-Dichlorobenzene	75	ND	R	ND	ND
2-Butanone	300	ND	ND	ND	ND
Acetone	6000	ND	ND	ND	ND
Benzene	1	ND	ND	ND	0.3 J
Bromodichloromethane	1	ND	ND	ND	ND
Bromoform	4	ND	R	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND
Chlorobenzene	50	ND	ND	ND	ND
Chloroform	70	ND	ND	0.86	0.56
Chloromethane	N/A	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	ND	1.7	140	87
Cyclohexane	N/A	ND	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND
Isopropylbenzene	700	ND	ND	ND	ND
m,p-Xylene	N/A	ND	ND	ND	ND
Methyl tert-butyl ether	70	ND	21	0.43 J	0.37 J
Methylcyclohexane	N/A	ND	ND	ND	ND
Methylene chloride	3	0.28 J	ND	0.38 J	0.32 J
o-Xylene	N/A	ND	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW22-01	CDE-MW22-02	CDE-MW22-03	CDE-MW22-04
Sample Location		MW-22-01	MW-22-02	MW-22-03	MW-22-04
Sample Depth		45-55 ft	125-135 ft	210-220 ft	305-315 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L
Sample Date		3/25/2010	3/25/2010	3/25/2010	3/25/2010
Toluene	600	ND	ND	1	36
trans-1,2-Dichloroethene	100	ND	ND	0.22 J	ND
Trichloroethene	1	ND	0.73	32	21
Trichlorofluoromethane	2000	ND	ND	ND	ND
Vinyl chloride	1	ND	ND	ND	ND
Xylenes (Total)	1000	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT1-01	CDE-ERT1-02	CDE-ERT1-03	CDE-ERT1-04	CDE-ERT1-05	CDE-ERT1-06	CDE-ERT1-07	CDE-ERT1-08	CDE-ERT2-01	CDE-ERT2-02
Sample Location		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01	ERT-2-02
Sample Depth		24-29 ft	33-43 ft	46-56 ft	59-64 ft	67-77 ft	100-105 ft	112-117 ft	135-140 ft	25-35 ft	40-50 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	3/31/2010	3/31/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	0.11	0.15	0.14	0.15	0.15	0.14	0.15	ND	ND	ND
Naphthalene	300	0.16	0.17	ND	0.19	0.16	0.16	ND	0.26	ND	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT2-03	CDE-ERT2-04	CDE-MW25-01	CDE-ERT2-05	CDE-ERT2-06	CDE-ERT2-07	CDE-ERT3-01	CDE-ERT3-02	CDE-ERT3-03
Sample Location		ERT-2-03	ERT-2-04	DUP of ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03
Sample Depth		54-59 ft	70-75 ft	70-75 ft	97-107 ft	113-123 ft	127-137 ft	27-37 ft	55-65 ft	90-105 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/23/2010	3/23/2010	3/23/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	0.5	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	0.24	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	0.36	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	0.4	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	2.2 J	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	0.1	ND	ND	0.37	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	0.33 J	ND	ND	0.11 J	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

R2-0002567

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard Units ug/L	CDE-ERT3-04	CDE-ERT3-05	CDE-ERT3-06	CDE-MW24-01	CDE-ERT4-01	CDE-MW25-03	CDE-ERT4-02	CDE-ERT4-03	CDE-ERT4-04
Sample Location		ERT-3-04	ERT-3-05	ERT-3-06	DUP of ERT-3-06	ERT-4-01	DUP of ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04
Sample Depth		110-120 ft	124-134 ft	138-148 ft	138-148 ft	27-37 ft	27-37 ft	46-56 ft	61-66 ft	83-88 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date		3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	2.1 J	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	2.9 J	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

R2-0002568

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT4-05	CDE-ERT4-06	CDE-ERT4-07	CDE-ERT5-01	CDE-ERT5-02	CDE-ERT5-03	CDE-ERT5-04	CDE-ERT5-05	CDE-ERT5-06	CDE-ERT6-01
Sample Location		ERT-4-05	ERT-4-06	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01
Sample Depth		91-106 ft	111-116 ft	128-138 ft	24-34 ft	37-47 ft	50-60 ft	77-87 ft	93-98 ft	120-130 ft	26-36 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/25/2010	3/25/2010	3/25/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/26/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	1.2 J	ND	ND	ND	3.5 J	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	0.11 J	0.12 J	ND	0.1 J	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.084 J
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT6-02	CDE-ERT6-03	CDE-ERT6-04	CDE-ERT6-05	CDE-ERT7-01	CDE-ERT7-02	CDE-ERT7-03	CDE-ERT7-04	CDE-ERT7-05	CDE-ERT8-01
Sample Location		ERT-6-02	ERT-6-03	ERT-6-04	ERT-6-05	ERT-7-01	ERT-7-02	ERT-7-03	ERT-7-04	ERT-7-05	ERT-8-01
Sample Depth		75-85 ft	93-103 ft	107-117 ft	128-138 ft	25-35 ft	45-55 ft	65-75 ft	100-110 ft	130-140 ft	17-27 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/26/2010	3/26/2010	3/26/2010	3/26/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/1/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	0.13	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	0.12	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	0.081 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	0.082 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	0.092 J	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	ND	ND	ND	ND	2.4 J	ND	0.098 J	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	0.47	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	0.13	0.11	0.11	0.13	ND
Naphthalene	300	ND	ND	ND	ND	0.18	0.19	0.21	0.13	0.12	ND
Pentachlorophenol	0.3	ND	0.087 J	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	0.89 J	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	0.31	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT8-02	CDE-ERT8-03	CDE-ERT8-05	CDE-ERT8-06	CDE-MW23-07	CDE-ERT8-07	CDE-FPW-01	CDE-FPW-02	CDE-MW25-07
Sample Location		ERT-8-02	ERT-8-03	ERT-8-05	ERT-8-06	DUP of ERT-8-06	ERT-8-07	FPW-01	FPW-02	DUP of FPW-02
Sample Depth		31-41 ft	44-54 ft	87-97 ft	107-112 ft	107-112 ft	135-145 ft	31-41 ft	46-51 ft	46-51 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/7/2010	4/7/2010	4/7/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	ND	ND	0.14	0.11	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	0.17	0.15
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
 ND = non-detect
 R = rejected
 The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).
 Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-FPW-03	CDE-FPW-04	CDE-FPW-05	CDE-FPW-06	CDE-FPW-07	CDE-FPW-08	CDE-FPW-09	CDE-MW01A	CDE-MW02A
Sample Location		FPW-03	FPW-04	FPW-05	FPW-06	FPW-07	FPW-08	FPW-09	MW-01A	MW-02A
Sample Depth		100-110 ft	125-135 ft	180-190 ft	200-205 ft	235-245 ft	268-278 ft	300-310 ft	24-49 ft	24-49 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	3/24/2010	3/23/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	0.26
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	2.6 J
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	ND	ND	0.11	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	0.12	0.16	0.11	0.15	0.13	0.13	0.15	ND	ND
Naphthalene	300	ND	0.18	ND	0.15	0.19	ND	0.16	ND	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	0.35

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

R2-0002572

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW23-05	CDE-MW03	CDE-MW04	CDE-MW05	CDE-MW06	CDE-MW07	CDE-MW08	CDE-MW09	CDE-MW10
Sample Location		DUP of MW-02A	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10
Sample Depth		24-49 ft	17-32 ft	29-49 ft	25-45.5 ft	29-44 ft	43-58 ft	42-57.5 ft	29-54 ft	37-52 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/23/2010	3/25/2010	3/31/2010	4/8/2010	3/31/2010	3/24/2010	3/25/2010	4/6/201	4/1/201
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	0.25	ND	ND	ND	0.34	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	0.49 J	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	1.7	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	2.1 J	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	2.4 J	ND	ND	0.17	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	2 J	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	4.7 J	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	0.54 J	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	1.7	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	ND	ND	ND	0.096 J	5.5	ND	ND	0.11	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	2.9	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	0.29	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	ND	3.1 J	ND	ND	0.11	ND
Naphthalene	300	ND	ND	ND	ND	0.16	ND	ND	0.1	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	0.076 J	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	1.5	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	0.31	ND	ND	ND	2.3	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW11	CDE-MW12	CDE-MW13-01	CDE-MW13-02	CDE-MW13-03	CDE-MW13-04	CDE-MW13-05	CDE-MW13-06	CDE-MW13-07
Sample Location		MW-11	MW-12	MW-13-01	MW-13-02	MW-13-03	MW-13-04	MW-13-05	MW-13-06	MW-13-07
Sample Depth		34-59 ft	35-60 ft	18-28 ft	35-45 ft	63-73 ft	95-105 ft	115-125 ft	150-160 ft	230-240 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/29/2010	4/5/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010
1,1'-Biphenyl	400	2.3 J	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	0.27	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	0.18	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	0.2	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	0.38	ND	ND	ND	0.096 J	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	0.28	ND	ND	ND	0.13	ND	ND	0.13
Benzo(k)fluoranthene	0.5	ND	0.21	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	0.21	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	ND	0.16	ND	ND	ND	0.14	ND	ND	0.1
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	0.38	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	0.26	ND	0.12	0.13	0.13	0.11	ND	0.11
Naphthalene	300	6.5	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	0.13	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

R2-0002574

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW-14D-01	CDE-MW-14D-02	CDE-MW-14D-03	CDE-MW-14S-01	CDE-MW-14S-02	CDE-MW-14S-03	CDE-MW-14S-04	CDE-MW15D-01
Sample Location		MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02	MW-14S-03	MW-14S-04	MW-15D-01
Sample Depth		80-85 ft	123-133 ft	199-209 ft	30-35 ft	41-46 ft	55-60 ft	65-70 ft	125-135 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010
1,1'-Biphenyl	400	ND	ND	ND	1.1 J	ND	ND	2 J	ND
2-Methylnaphthalene	30	ND	ND	ND	0.16	0.13	ND	0.12	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	2.8 J	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	0.11	0.12	ND	ND	ND	0.11	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	0.12	ND	ND	ND	0.11	0.11 J	0.11
Naphthalene	300	0.097 J	0.1	ND	1.5	1.7	0.21	1.4	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	R	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

R2-0002575

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW15D-02	CDE-MW15S-01	CDE-MW15S-02	CDE-MW16-01	CDE-MW16-02	CDE-MW16-03	CDE-MW16-04	CDE-MW16-05	CDE-MW16-06
Sample Location		MW-15D-02	MW-15S-01	MW-15S-02	MW-16-01	MW-16-02	MW-16-03	MW-16-04	MW-16-05	MW-16-06
Sample Depth		185-195 ft	30-40 ft	70-80 ft	20-30 ft	40-50 ft	85-95 ft	108-118 ft	135-145 ft	170-180 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/6/2010	4/6/2010	4/6/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	1.6 J	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	0.16	0.1	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	0.25	0.23	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	0.11	0.091 J	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	ND	ND	0.096 J	ND	ND	0.29	0.26	0.12	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	ND	ND	0.14	0.13	0.37	0.33	0.13	ND
Naphthalene	300	ND	0.096 J	0.092 J	ND	ND	0.3	0.24	ND	0.11
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

R = rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW16-07	CDE-MW17-01	CDE-MW17-02	CDE-MW17-03	CDE-MW-18-01	CDE-MW-18-02	CDE-MW-19-01	CDE-MW19-02	CDE-MW19-03
Sample Location		MW-16-07	MW-17-01	MW-17-02	MW-17-03	MW-18-01	MW-18-02	MW-19-01	MW-19-02	MW-19-03
Sample Depth		195-205 ft	170-180 ft	205-215 ft	235-245 ft	160-170 ft	210-220 ft	65-75 ft	132-142 ft	200-210 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	3/26/2010	3/26/2010	3/26/2010	3/24/2010	3/24/2010	3/29/2010	3/29/2010	3/29/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	0.17 J	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	0.4	ND	0.098 J	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	0.13	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	0.13	ND	ND	ND	0.36	ND	ND	0.1	0.097 J
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	0.15	ND	ND	ND	0.58 J	ND	ND	ND	ND
Naphthalene	300	0.1	ND	ND	ND	ND	ND	ND	0.12	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW19-04	CDE-MW19-05	CDE-MW19-06	CDE-MW19-07	CDE-MW23-02	CDE-MW20-01	CPE-MW20-02	CDE-MW20-03	CDE-MW20-04
Sample Location		MW-19-04	MW-19-05	MW-19-06	MW-19-07	DUP of MW-19-07	MW-20-01	MW-20-02	MW-20-03	MW-20-04
Sample Depth		257-267 ft	367-377 ft	480-490 ft	545-555 ft	545-555 ft	25-35 ft	85-95 ft	125-135 ft	175-185 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	0.086 J	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	ND	0.1	0.098 J	0.097 J	ND	ND	0.098 J	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	0.1	0.1	ND	ND	0.15	0.11	0.15 J	ND
Naphthalene	300	0.076 J	0.098 J	ND	ND	ND	0.1	0.11	ND	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

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Shading indicates exceedance of Potential Cleanup Standard.

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW20-05	CDE-MW20-06	CDE-MW20-07	CDE-MW20-08	CDE-MW21-01	CDE-MW21-02	CDE-MW21-03	CDE-MW24-05	CDE-MW21-04
Sample Location		MW-20-05	MW-20-06	MW-20-07	MW-20-08	MW-21-01	MW-21-02	MW-21-03	DUP of MW-21-03	MW-21-04
Sample Depth		205-215 ft	250-260 ft	297-307 ft	355-365 ft	50-60 ft	87-97 ft	150-160 ft	150-160 ft	205-215 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/30/2010	3/30/2010	3/30/2010	3/30/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	0.089 J	ND	ND	0.1	ND	ND	ND	0.11	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	0.11 J	0.13	0.11	0.15	0.15	0.15	ND	0.16
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW21-05	CDE-MW21-06	CDE-MW21-07	CDE-MW21-08	CDE-MW22-01	CDE-MW22-02	CDE-MW22-03	CDE-MW22-04
Sample Location		MW-21-05	MW-21-06	MW-21-07	MW-21-08	MW-22-01	MW-22-02	MW-22-03	MW-22-04
Sample Depth		260-270 ft	428-438 ft	485-495 ft	505-515 ft	45-55 ft	125-135 ft	210-220 ft	305-315 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/5/2010	4/5/2010	4/5/2010	4/5/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010
1,1'-Biphenyl	400	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	30	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	400	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	700	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	5000	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	5	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.3	0.1	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6000	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	300	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	300	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.2	ND	0.15	0.13	0.15	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.3	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2000	ND	ND	ND	ND	ND	ND	ND	2.8 J
Pyrene	200	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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R = rejected

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT1-01	CDE-ERT1-02	CDE-ERT1-03	CDE-ERT1-04	CDE-ERT1-05	CDE-ERT1-06	CDE-ERT1-07	CDE-ERT1-08	CDE-ERT2-01	CDE-ERT2-02
Sample Location		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07	ERT-1-08	ERT-2-01	ERT-2-02
Sample Depth		24-29 ft	33-43 ft	46-56 ft	59-64 ft	67-77 ft	100-105 ft	112-117 ft	135-140 ft	25-35 ft	40-50 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	3/31/2010	3/31/2010
ALUMINUM	50	84 J	ND	ND	ND	ND	ND	ND	ND	369	137 J
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	11.1	1.5	1.8	2.4	2.1	1.6	3.4	3.4	7.3	1.3
BARIUM	2000	85.6	72.7	81.4	83.1	91.9	62.7	92.9	93.6	8330	1630
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	53400	54400	51300	51800	52600	51700	57600	65500	597000	214000
CHROMIUM	70	0.52 J	ND	ND	ND	ND	ND	ND	ND	0.45 J	0.55 J
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND	0.41 J	ND
COPPER	1300	1.4 J	2.8	ND	ND	0.61 J	ND	1.4 J	ND	0.72 J	1.3 J
IRON	300	ND	ND	ND	ND	ND	ND	ND	ND	86.9 J	ND
LEAD	5	0.25 J	1.6	0.73 J	1.5	1.7	1.3	4.5	1.5	0.26 J	2.1
MAGNESIUM	N/A	15500	15700	16200	16700	17100	17600	19200	23400	48900	25500
MANGANESE	50	66.6	25.3	12	61.7	221	3.9	100	14	424	22.6
MERCURY	2	ND	ND	ND	ND	ND	ND	ND	ND	0.12 J	0.12 J
NICKEL	100	0.5 J	0.25 J	ND	0.29 J	0.41 J	ND	0.28 J	ND	ND	ND
POTASSIUM	N/A	2490 J	ND	ND	ND	ND	ND	ND	ND	5200	1890 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	0.97 J	ND
SODIUM	50000	13900	13700	13400	15100	15600	20400	23600	21200	47000	26100
VANADIUM	N/A	4.1 J	5.1	5.5	5.1	5.1	4.7 J	4.1 J	3.9 J	1.4 J	2.8 J
ZINC	2000	2.5	10.2	13.6	7	8.7	8	13.1	12.2	5 J	7 J

Notes:

ND = non-detect

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT2-03	CDE-ERT2-04	CDE-MW25-01	CDE-ERT2-05	CDE-ERT2-06	CDE-ERT2-07	CDE-ERT3-01	CDE-ERT3-02	CDE-ERT3-03	CDE-ERT3-04
Sample Location		ERT-2-03	ERT-2-04	DUP of ERT-2-04	ERT-2-05	ERT-2-06	ERT-2-07	ERT-3-01	ERT-3-02	ERT-3-03	ERT-3-04
Sample Depth		54-59 ft	70-75 ft	70-75 ft	97-107 ft	113-123 ft	127-137 ft	27-37 ft	55-65 ft	90-105 ft	110-120 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/31/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010
ALUMINUM	50	106 J	94.7 J	ND	71.6 J	ND	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	2.2	2.8	2.7	1.6	1.6	2.1	0.75 J	3.7	3.4	3.7
BARIUM	2000	896	754	742	510	293	107	408	400	181	111
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	118000	103000	92400	81700	77400	55400	194000	110000	96100	59700
CHROMIUM	70	ND	0.56 J	0.49 J	0.55 J	0.53 J	0.71 J	ND	ND	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	0.24 J	ND	ND	ND
COPPER	1300	0.63 J	ND	0.7 J	1 J	ND	0.57 J	2 J	0.87 J	0.9 J	3.4
IRON	300	ND	ND	ND	ND	ND	ND	445	ND	ND	ND
LEAD	5	2.8	0.75 J	1.2	1.1	0.92 J	0.81 J	2.2	0.93 J	0.84 J	3.3
MAGNESIUM	N/A	18500	19300	17900	21000	23400	24300	16000	34900	38200	24700
MANGANESE	50	2.7	5.2	5.1	2.4	6.4	3.5	325	53	17.5	0.38 J
MERCURY	2	0.071 J	0.11 J	0.082 J	0.11 J	0.097 J	0.12 J	ND	ND	ND	ND
NICKEL	100	ND	0.21 J	ND	0.22 J	ND	0.23 J	0.9 J	0.67 J	0.41 J	0.32 J
POTASSIUM	N/A	1790 J	1850 J	1680 J	1960 J	1880 J	ND	2480 J	2040 J	2630 J	ND
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	17700	17800	16400	16700	17000	14500	111000	31900	33700	22600
VANADIUM	N/A	3.3 J	5	4.9 J	5.7	6.3	7.6	2.6 J	8.2	11.6	10.1
ZINC	2000	6.5 J	5 J	5.4 J	7.2 J	19.6 J	5.8 J	9.6	8.9	6.7	19.7

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT3-05	CDE-ERT3-06	CDE-MW24-01	CDE-ERT4-01	CDE-MW25-03	CDE-ERT4-02	CDE-ERT4-03	CDE-ERT4-04	CDE-ERT4-05	CDE-ERT4-06
Sample Location		ERT-3-05	ERT-3-06	DUP of ERT-3-06	ERT-4-01	DUP of ERT-4-01	ERT-4-02	ERT-4-03	ERT-4-04	ERT-4-05	ERT-4-06
Sample Depth		124-134 ft	138-148 ft	138-148 ft	27-37 ft	27-37 ft	46-56 ft	61-66 ft	83-88 ft	91-106 ft	111-116 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/23/2010	3/23/2010	3/23/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/25/2010
ALUMINUM	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	3.4	3.8	3.7	1.7	1.8	1.6	2.1	2.6	2.9	3
BARIUM	2000	57.4	32.3	32.3	72	70.9	65.3	72	53.7	46.6	43.1
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	58400	54900	50800	67700	69900	66800	66500	61000	59200	56200
CHROMIUM	70	0.57 J	0.63 J	0.6 J	ND	ND	ND	ND	ND	ND	0.36 J
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	0.8 J	ND	ND	ND	ND	ND	ND	0.73 J	0.58 J	ND
IRON	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LEAD	5	1	0.7 J	0.51 J	1.5	0.87 J	1.5	1	1.4	1.3	0.75 J
MAGNESIUM	N/A	26300	26600	25200	26000	27600	26800	25300	29400	29300	27700
MANGANESE	50	ND	0.58 J	ND	4.2	4.8	6.1	ND	0.76 J	0.32 J	ND
MERCURY	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	100	ND	0.2 J	0.27 J	0.2 J	ND	ND	ND	0.21 J	0.25 J	ND
POTASSIUM	N/A	ND	ND	ND	ND	1700 J	1670 J	ND	1720 J	ND	ND
SELENIUM	40	ND	ND	ND	ND	0.93 J	ND	ND	ND	ND	ND
SODIUM	50000	21200	20000	18600	18300	19000	18500	17600	20400	19600	19300
VANADIUM	N/A	11.7	13.1	13.5	6.5	6.5	6.3	7.7	9.2	9.9	10
ZINC	2000	8.1	8.5	9.3	6.4	6.1	4.9	6.4	5.6	2.9 J	7.9

Notes:

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential	CDE-ERT4-07	CDE-ERT5-01	CDE-ERT5-02	CDE-ERT5-03	CDE-ERT5-04	CDE-ERT5-05	CDE-ERT5-06	CDE-ERT6-01	CDE-ERT6-02	CDE-ERT6-03
Sample Location	Cleanup	ERT-4-07	ERT-5-01	ERT-5-02	ERT-5-03	ERT-5-04	ERT-5-05	ERT-5-06	ERT-6-01	ERT-6-02	ERT-6-03
Sample Depth	Standard	128-138 ft	24-34 ft	37-47 ft	50-60 ft	77-87 ft	93-98 ft	120-130 ft	26-36 ft	75-85 ft	93-103 ft
Matrix	Standard	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/25/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/24/2010	3/26/2010	3/26/2010	3/26/2010
ALUMINUM	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	3.2	0.85 J	1.1	1.5	1.7	1.9	2.3	6.9	2.7	1.7
BARIUM	2000	40.9	158	192	121	97.8	101	81.1	885	308	236
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	54600	88100	83000	52100	56300	52300	50000	51700	78900	84400
CHROMIUM	70	ND	ND	ND	ND	ND	0.47 J	0.68 J	0.57 J	0.63 J	0.45 J
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	ND	ND	0.81 J	3.6	ND	ND	ND	ND	ND	0.73 J
IRON	300	ND	ND	ND	ND	ND	ND	ND	1870	ND	ND
LEAD	5	0.98 J	0.52 J	0.71 J	0.94 J	0.41 J	0.7 J	0.75 J	0.61 J	2.4	1.9
MAGNESIUM	N/A	27200	7090	9840	20300	21700	21800	22600	7070	12500	11900
MANGANESE	50	ND	34.9	0.29 J	ND	ND	ND	ND	484	2.1	ND
MERCURY	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	100	ND	ND	ND	ND	ND	0.27 J	ND	ND	ND	ND
POTASSIUM	N/A	ND	ND	ND	ND	ND	ND	ND	2580 J	ND	ND
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	18700	20300	18600	12000	14700	14100	14900	12400	12600	13100
VANADIUM	N/A	10.7	3.2 J	4.5 J	6.4	6.7	7.1	8.3	3.4 J	5.7	5.5
ZINC	2000	8.8	6.8	7.6	9.9	10.1	9	8.5	9.2	12.8	10.9

Notes:

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT6-04	CDE-ERT6-05	CDE-ERT7-01	CDE-ERT7-02	CDE-ERT7-03	CDE-ERT7-04	CDE-ERT7-05	CDE-ERT8-01	CDE-ERT8-02	CDE-ERT8-03
Sample Location		ERT-6-04	ERT-6-05	ERT-7-01	ERT-7-02	ERT-7-03	ERT-7-04	ERT-7-05	ERT-8-01	ERT-8-02	ERT-8-03
Sample Depth		107-117 ft	128-138 ft	25-35 ft	45-55 ft	65-75 ft	100-110 ft	130-140 ft	17-27 ft	31-41 ft	44-54 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/26/2010	3/26/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/1/2010	4/1/2010	4/1/2010
ALUMINUM	50	ND	ND	128 J	ND	ND	ND	ND	125 J	109 J	96.5 J
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	2.5	2.6	12.1	10.4	12.5	17.2	20.6	0.7 J	0.45 J	0.46 J
BARIUM	2000	189	76.7	906	936	863	775	82.5	899	1340	953
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	69000	53200	63000	61500	48400	49200	40600	109000	126000	105000
CHROMIUM	70	ND	0.43 J	ND	ND	ND	ND	ND	0.68 J	0.57 J	0.42 J
COBALT	100	ND	ND	0.25 J	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	0.62 J	6.3	2.8	0.68 J	11.5	6.7	5	0.78 J	ND	0.81 J
IRON	300	ND	ND	179	ND	ND	ND	ND	ND	ND	ND
LEAD	5	0.84 J	0.87 J	2.8	0.48 J	8.1	4	7.2	1.4	ND	1.3
MAGNESIUM	N/A	15200	23500	5130	8050	12300	14900	17100	9620	11300	9200
MANGANESE	50	1.1	1.1	129	7.4	8.2	15.8	15.7	7.7	1.1	1.9
MERCURY	2	ND	ND	ND	ND	ND	ND	ND	0.12 J	0.08 J	0.088 J
NICKEL	100	ND	0.4 J	1.4	0.25 J	3	3.2	0.68 J	ND	ND	0.37 J
POTASSIUM	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	13100	16500	11300	9820	8450	9360	12200	15000	13100	10700
VANADIUM	N/A	6.3	8.7	3.3 J	2.7 J	3.2 J	3.6 J	5.9	3.4 J	2.3 J	1.8 J
ZINC	2000	6.7	5.7	20.1	9.1	176	128	93.6	8.6 J	6.4 J	12.9 J

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-ERT8-05	CDE-ERT8-06	CDE-MW23-07	CDE-ERT8-07	CDE-FPW-01	CDE-FPW-02	CDE-MW25-07	CDE-FPW-03	CDE-FPW-04	CDE-FPW-05
Sample Location		ERT-8-05	ERT-8-06	DUP of ERT-8-06	ERT-8-07	FPW-01	FPW-02	DUP of FPW-02	FPW-03	FPW-04	FPW-05
Sample Depth		87-97 ft	107-112 ft	107-112 ft	135-145 ft	31-41 ft	46-51 ft	46-51 ft	100-110 ft	125-135 ft	180-190 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/1/2010	4/1/2010	4/1/2010	4/1/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010
ALUMINUM	50	ND	ND	ND	84.8 J	ND	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	2.9	7.8	7.8	2.4	53.8	1.8	2.2	108	60.3	67.2
BARIIUM	2000	247	190	193	76.2	286	133	131	130	184	106
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	41800	41800	42000	57600	61000	69600	66700	44900	50000	43300
CHROMIUM	70	0.43 J	0.5 J	ND	0.52 J	ND	ND	ND	ND	0.48 J	ND
COBALT	100	ND	ND	ND	ND	0.26 J	ND	ND	ND	ND	ND
COPPER	1300	0.76 J	ND	ND	1.6 J	2.2	ND	0.62 J	0.7 J	1.4 J	1.1 J
IRON	300	ND	ND	ND	ND	819	ND	ND	ND	58.6 J	ND
LEAD	5	3.5	ND	ND	2	0.43 J	ND	0.2 J	0.77 J	0.36 J	1.9
MAGNESIUM	N/A	17900	22300	21900	21000	18600	18300	17500	19700	22200	21200
MANGANESE	50	0.32 J	28.5	24.7	5.8	1090	245 J	322 J	708	1040	498
MERCURY	2	0.079 J	0.089 J	0.091 J	0.087 J	ND	ND	ND	ND	ND	ND
NICKEL	100	ND	ND	0.29 J	ND	12	19.8	16.9	0.55 J	0.51 J	1
POTASSIUM	N/A	ND	2080 J	2060 J	ND	2340 J	ND	ND	ND	ND	ND
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	9010	10900	10900	14700	24400	16500	16300	16700	15000	14500
VANADIUM	N/A	4.7 J	6.9	7.7	5.4	ND	6.6	6.4	6.2	6.1	6.2
ZINC	2000	9.3 J	6.2 J	6.9 J	17.3 J	27.1	6.5	6.9	10.8	7.9	24.8

Notes:

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Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard Units ug/L	CDE-FPW-06	CDE-FPW-07	CDE-FPW-08	CDE-FPW-09	CDE-MW01A	CDE-MW02A	CDE-MW23-05	CDE-MW03	CDE-MW04	CDE-MW05
Sample Location		FPW-06	FPW-07	FPW-08	FPW-09	MW-01A	MW-02A	DUP of MW-02A	MW-03	MW-04	MW-05
Sample Depth		200-205 ft	235-245 ft	268-278 ft	300-310 ft	24-49 ft	24-49 ft	24-49 ft	17-32 ft	29-49 ft	25-45.5 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	3/24/2010	3/23/2010	3/23/2010	3/25/2010	3/31/2010	4/8/2010
ALUMINUM	50	ND	ND	ND	ND	ND	253	256	116 J	197 J	133 J
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	99.97	101	58.1	15.7	1.1	1.2	1.2	1.4	0.68 J	4.3
BARIUM	2000	132	93.1	90.4	52.4	818	512	492	106	191	119
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	1.1	16.8	ND
CALCIUM	N/A	41300	40100	43800	40900	62200	45900	43200	85900	72000	58000
CHROMIUM	70	ND	ND	ND	0.52 J	2.7	0.77 J	0.89 J	0.41 J	0.97 J	96.8
COBALT	100	ND	ND	ND	ND	ND	0.63 J	0.68 J	0.41 J	0.96 J	0.72 J
COPPER	1300	2.4	0.61 J	1.4 J	0.76 J	0.57 J	2.1	2.4	2.8	2.2	22.1
IRON	300	62.6 J	67.4 J	ND	ND	97.9 J	641	626	626	454	2200
LEAD	5	6.9	0.89 J	3.8	0.77 J	0.44 J	1.4	1.5	6.1	0.76 J	0.52 J
MAGNESIUM	N/A	21700	20100	22300	21500	14700	10600	9830	19800	12300	17000
MANGANESE	50	1350	690	446	113	85.2	921	810	200	1360	1340
MERCURY	2	ND	ND	0.071 J	ND	ND	ND	ND	ND	0.11 J	ND
NICKEL	100	0.7 J	0.56 J	0.62 J	0.33 J	3.4 J	4.7 J	4.5 J	2.5 J	4.7 J	13.5
POTASSIUM	N/A	ND	ND	ND	ND	ND	1760 J	1850 J	2420 J	2280 J	2080 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	12800	11600	12900	13400	19400	47300	46000	30300	13500	22300
VANADIUM	N/A	4.7 J	7.7	8.9	6.6	4 J	1.9 J	2 J	3.5 J	1.5 J	17.5
ZINC	2000	18.4	18	24.9	11.6	6.5	14.4	14.2	27.6	6.5 J	10.5

Notes:

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW06	CDE-MW07	CDE-MW08	CDE-MW09	CDE-MW10	CDE-MW11	CDE-MW12	CDE-MW13-01	CDE-MW13-02	CDE-MW13-03
Sample Location		MW-06	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	MW-13-01	MW-13-02	MW-13-03
Sample Depth		29-44 ft	43-58 ft	42-57.5 ft	29-54 ft	37-52 ft	34-59 ft	35-60 ft	18-28 ft	35-45 ft	63-73 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/31/2010	3/24/2010	3/25/2010	4/6/201	4/1/201	3/29/2010	4/5/2010	4/7/2010	4/7/2010	4/7/2010
ALUMINUM	50	1520	ND	ND	134 J	132 J	ND	2710	1820	107 J	ND
ANTIMONY	6	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	1.7	6.1	1.2	1.9	1.6	2.2	1.6	128	71.9	28
BARIUM	2000	140	1110	606	70.6	319	2650	391	524	422	283
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	0.23 J	0.45 J	ND	ND
CADMIUM	4	1.1	ND	ND	ND	ND	ND	1	0.3 J	0.33 J	ND
CALCIUM	N/A	46400	84100	99400	106000	41200	129000	106000	58700	53300	50100
CHROMIUM	70	4.1	2 J	0.47 J	2.3	3.7	1.7 J	6.3	3.5	ND	ND
COBALT	100	3.5	0.46 J	ND	0.23 J	ND	0.41 J	3	1.4	0.64 J	0.27 J
COPPER	1300	29.6	2.6	0.86 J	61.7	2.2	3	49.8	51.1	7.2	3.9
IRON	300	4240	84.9 J	117	46.6 J	70.1 J	110	8300	1220	85 J	ND
LEAD	5	22.6	0.35 J	ND	0.31 J	ND	0.36 J	32.9	5.8	11.1	4.3
MAGNESIUM	N/A	6980	9490	14000	18000	8650	20600	10900	4210 J	14700	17800
MANGANESE	50	133	35.8	23.4	49.9	48.5	1660	247	667	34.7	29.2
MERCURY	2	0.077 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	100	6.5 J	12.4 J	0.67 J	0.63 J	0.86 J	2.8	8.6	4.7	3.6	1.6
POTASSIUM	N/A	4630 J	9450	ND	ND	ND	ND	2170 J	27800	5950	2470 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	28100	20000	13800	17900	11300	19000	13500	37600	15500	12900
VANADIUM	N/A	12.2	11	4.2 J	4.1 J	4.6 J	1.3 J	30.1	20.5	1.9 J	5.4
ZINC	2000	60 J	9.7	4.8	5.4	5 J	7.6	187	60.7	84.8	14.9

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW13-04	CDE-MW13-05	CDE-MW13-06	CDE-MW13-07	CDE-MW-14D-01	CDE-MW-14D-02	CDE-MW-14D-03	CDE-MW-14S-01	CDE-MW-14S-02
Sample Location		MW-13-04	MW-13-05	MW-13-06	MW-13-07	MW-14D-01	MW-14D-02	MW-14D-03	MW-14S-01	MW-14S-02
Sample Depth		95-105 ft	115-125 ft	150-160 ft	230-240 ft	80-85 ft	123-133 ft	199-209 ft	30-35 ft	41-46 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010
ALUMINUM	50	ND	ND	71.5 J	110 J	ND	ND	ND	134 J	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	5.8	11.9	21.1	297	7.7	38.7	10.6	9.1	5.5
BARIUM	2000	169	207	215	140	254	79.3	60.9	1630	1410
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	0.47 J	1.1	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	54200	49400	44500	56300	77400	54700	49100	107000	96900
CHROMIUM	70	ND	ND	ND	ND	0.47 J	ND	ND	0.46 J	ND
COBALT	100	ND	2	6.6	0.23 J	ND	ND	ND	0.35 J	0.35 J
COPPER	1300	4.8	3	6.8	1.4 J	0.98 J	ND	ND	2.2	2.9
IRON	300	ND	ND	ND	85.9 J	262	ND	ND	255	ND
LEAD	5	4.7	1.4	1.9	0.93 J	0.72 J	0.31 J	0.3 J	5.3	0.77 J
MAGNESIUM	N/A	18700	17500	19600	22800	19800	22800	22700	13400	16900
MANGANESE	50	15.3	13.1	30.1	102	314	200	200	785	654
MERCURY	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	100	1.2	1	3.2	1.5	0.32 J	0.43 J	0.41 J	0.84 J	0.9 J
POTASSIUM	N/A	ND	ND	1980 J	1890 J	ND	1760 J	1670 J	2570 J	2390 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	13300	11100	11500	13500	11500	16800	15900	15300	14300
VANADIUM	N/A	6.2	4.9 J	5.6	4.1 J	ND	1.5 J	3 J	1.4 J	ND
ZINC	2000	31.5	27.2	48.5	15.2	6.7	5.4	4.8	8.3	6

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW-14S-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW15D-02	CDE-MW15S-01	CDE-MW15S-02	CDE-MW16-01	CDE-MW16-02	CDE-MW16-03
Sample Location		MW-14S-03	MW-14S-04	MW-15D-01	MW-15D-02	MW-15S-01	MW-15S-02	MW-16-01	MW-16-02	MW-16-03
Sample Depth		55-60 ft	65-70 ft	125-135 ft	185-195 ft	30-40 ft	70-80 ft	20-30 ft	40-50 ft	85-95 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/7/2010	4/7/2010	4/7/2010
ALUMINUM	50	ND	ND	ND	ND	71.3 J	ND	196 J	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	7	7.7	8.3	14.6	2.6	6.8	17.1	23.8	23.5
BARIUM	2000	1040	498	57.8	52.4	503	191	625	455	82.2
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	91000	85800	48200	51600	80800	54700	43300	44100	46100
CHROMIUM	70	ND	ND	ND	ND	ND	2.1	ND	ND	ND
COBALT	100	0.3 J	0.32 J	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	1.1 J	0.94 J	1.4 J	ND	1.8 J	1 J	1 J	2.9	0.75 J
IRON	300	ND	ND	129	ND	ND	ND	54.4 J	ND	ND
LEAD	5	1	1.6	0.64 J	0.46 J	1.2	0.48 J	0.52 J	0.72 J	1.9
MAGNESIUM	N/A	17100	22600	19900	21600	8750	17200	7620	11700	20200
MANGANESE	50	701	477	56	128	144	23.5	609	551	123
MERCURY	2	ND	ND	ND	ND	ND	ND	0.048 J	0.085 J	ND
NICKEL	100	0.9 J	0.73 J	0.32 J	0.29 J	0.32 J	ND	0.79 J	0.66 J	0.59 J
POTASSIUM	N/A	2190 J	ND	ND	ND	ND	ND	3870 J	2750 J	2230 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	13800	13200	14500	14700	10900	11000	26900	24800	16200
VANADIUM	N/A	ND	2.1 J	3.5 J	4.9 J	3 J	2.9 J	ND	ND	6
ZINC	2000	5.3	5.1	8.6	9.7	7.1	7	10.5	7.9	13.8

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW16-04	CDE-MW16-05	CDE-MW16-06	CDE-MW16-07	CDE-MW17-01	CDE-MW17-02	CDE-MW17-03	CDE-MW-18-01	CDE-MW-18-02
Sample Location		MW-16-04	MW-16-05	MW-16-06	MW-16-07	MW-17-01	MW-17-02	MW-17-03	MW-18-01	MW-18-02
Sample Depth		108-118 ft	135-145 ft	170-180 ft	195-205 ft	170-180 ft	205-215 ft	235-245 ft	160-170 ft	210-220 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/7/2010	4/7/2010	4/7/2010	4/7/2010	3/26/2010	3/26/2010	3/26/2010	3/24/2010	3/24/2010
ALUMINUM	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	29	67.9	44.2	32	7.3	6.5	127	90.4	9.2
BARIUM	2000	91.9	86	89.7	135	79.6	49.9	79.1	55.6	47.4
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	46100	45100	46000	42500	63300	55900	54000	47700	47700
CHROMIUM	70	ND	ND	ND	0.45 J	0.59 J	0.41 J	0.65 J	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	1.3 J	0.68 J	1.9 J	3.1	0.68 J	0.73 J	0.58 J	ND	1.1 J
IRON	300	ND	ND	61.2 J	ND	ND	ND	ND	ND	ND
LEAD	5	0.84 J	1.9	4.8	1.5	0.35 J	0.42 J	0.38 J	1	0.58 J
MAGNESIUM	N/A	21200	22600	22500	21400	27900	25100	25200	26500	26100
MANGANESE	50	264	229	221	40.8	68.7	22.9	177	209	6.1
MERCURY	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	100	0.64 J	0.63 J	2.1 J	2.9 J	0.22 J	0.21 J	0.45 J	0.44 J	0.66 J
POTASSIUM	N/A	2150 J	1970 J	1830 J	ND	ND	ND	2760 J	2010 J	1740 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	15400	14900	14600	12400	17100	17700	21100	18500	18700
VANADIUM	N/A	3 J	2.2 J	7.3	9	8.2	10.3	6.2	5.5	9.6
ZINC	2000	16.1	15.5	50	49	7.2	10.6	12.3	10.7	12.3

Notes:

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Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW-19-01	CDE-MW19-02	CDE-MW19-03	CDE-MW19-04	CDE-MW19-05	CDE-MW19-06	CDE-MW19-07	CDE-MW23-02	CDE-MW20-01
Sample Location		MW-19-01	MW-19-02	MW-19-03	MW-19-04	MW-19-05	MW-19-06	MW-19-07	DUP of MW-19-07	MW-20-01
Sample Depth		65-75 ft	132-142 ft	200-210 ft	257-267 ft	367-377 ft	480-490 ft	545-555 ft	545-555 ft	25-35 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/29/2010	3/30/2010
ALUMINUM	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	75.1	8.7	20	12	41.9	11.9	28.7	22.6	60.1
BARIUM	2000	24.3	42.8	32.5	23.1	29.4	8.7 J	10.8	10.9	556
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	147000	56300	118000	79900	256000	439000	475000	547000	90800
CHROMIUM	70	0.46 J	0.51 J	ND	0.56 J	0.38 J	ND	ND	ND	ND
COBALT	100	0.2 J	ND	ND	ND	0.35 J	0.33 J	0.57 J	0.56 J	ND
COPPER	1300	0.58 J	ND	ND	ND	2	1.3 J	0.83 J	1.3 J	16.5
IRON	300	463	ND	ND	ND	88.4 J	ND	ND	ND	49.4 J
LEAD	5	0.42 J	0.5 J	0.33 J	1.7	13.7	0.35 J	2.7	2.7	1.1
MAGNESIUM	N/A	46100	24100	57100	39800	98500	135000	121000	111000	27100
MANGANESE	50	265	42.5	349	142	746	244	683	651	119
MERCURY	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	100	0.58 J	0.22 J	0.81 J	1.4	1.7	0.55 J	0.2 J	0.53 J	0.59 J
POTASSIUM	N/A	2910 J	ND	2370 J	1970 J	3440 J	4430 J	4150 J	3880 J	8960
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	34600	14400	30600	27900	62300	119000	93000	87000	691000
VANADIUM	N/A	1.4 J	11.6	4.1 J	7.8	3.3 J	4.9 J	6.1	6	4 J
ZINC	2000	7.5	6.2	6.1	9.2	24.2	10.4	8.2	9.6	15.5

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CPE-MW20-02	CDE-MW20-03	CDE-MW20-04	CDE-MW20-05	CDE-MW20-06	CDE-MW20-07	CDE-MW20-08	CDE-MW21-01	CDE-MW21-02	CDE-MW21-03
Sample Location		MW-20-02	MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07	MW-20-08	MW-21-01	MW-21-02	MW-21-03
Sample Depth		85-95 ft	125-135 ft	175-185 ft	205-215 ft	250-260 ft	297-307 ft	355-365 ft	50-60 ft	87-97 ft	150-160 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	4/5/2010	4/5/2010	4/5/2010
ALUMINUM	50	ND	ND	ND	ND	ND	ND	ND	187 J	84 J	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	29	4.6	13.4	29.1	7.2	50	71.7	8	16.6	11.6
BARIUM	2000	147	132	173	88.1	71.8	39	28.8	38.6	28.3	22
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	68800	58800	47400	45100	46900	52400	46200	91200	113000	87800
CHROMIUM	70	ND	ND	ND	ND	0.43 J	ND	1.6 J	0.61 J	ND	ND
COBALT	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	1300	4.1	4.2	1.2 J	0.63 J	0.96 J	0.59 J	0.62 J	2.4	1.6 J	13.2
IRON	300	ND	ND	ND	ND	ND	ND	ND	124	ND	ND
LEAD	5	1.8	1.4	1.8	0.35 J	0.67 J	0.32 J	0.7 J	2.3	17.2	4.2
MAGNESIUM	N/A	22900	22500	24000	27400	28600	27500	28300	31800	40900	32200
MANGANESE	50	17.3	5.9	10.2	7.9	4.6	169	22	37.3	24	16.6
MERCURY	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	100	0.57 J	0.34 J	0.38 J	ND	ND	0.27 J	2.5 J	0.46 J	0.29 J	0.27 J
POTASSIUM	N/A	2100 J	1660 J	2040 J	ND	ND	2410 J	1960 J	1850 J	2170 J	1910 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	50000	24000	14900	14200	16300	16900	20800	19800	29900	34700	28200
VANADIUM	N/A	8.8	11.9	11.5	12	12.3	10.6	17.6	10.5	3.3 J	7.3
ZINC	2000	22.2	10.9	14.3	6.3	7.6	6.2	8.8	8.9	21.9	21.8

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey

Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential Cleanup Standard ug/L	CDE-MW24-05	CDE-MW21-04	CDE-MW21-05	CDE-MW21-06	CDE-MW21-07	CDE-MW21-08	CDE-MW22-01	CDE-MW22-02	CDE-MW22-03
Sample Location		DUP of MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07	MW-21-08	MW-22-01	MW-22-02	MW-22-03
Sample Depth		150-160 ft	205-215 ft	260-270 ft	428-438 ft	485-495 ft	505-515 ft	45-55 ft	125-135 ft	210-220 ft
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Date		4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	3/25/2010	3/25/2010	3/25/2010
ALUMINUM	50	76.8 J	89.3 J	87.7 J	171 J	240	207	ND	ND	ND
ANTIMONY	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	3	6.5	47.3	55.4	7.3	20.9	91.4	6.3	4.9	16.3
BARIUM	2000	28.7	25.6	22.3	11	19	24.1	154	225	166
BERYLLIUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	N/A	94400	145000	153000	279000	374000	353000	53400	79400	41700
CHROMIUM	70	0.38 J	ND	ND	ND	ND	ND	1 J	ND	ND
COBALT	100	ND	ND	ND	0.24 J	0.64 J	0.63 J	ND	ND	ND
COPPER	1300	4.5	19.4	1.3 J	0.88 J	1.4 J	1.8 J	1.1 J	ND	ND
IRON	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
LEAD	5	3	17.6	11.3	2.6	14	0.69 J	1.2	0.55 J	0.28 J
MAGNESIUM	N/A	31900	44700	46500	59200	78900	89700	8500	31600	25900
MANGANESE	50	28.8	366	90.6	320	1260	2020	1.2	3.1	33.4
MERCURY	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	100	0.4 J	0.47 J	0.36 J	ND	ND	ND	ND	0.48 J	0.36 J
POTASSIUM	N/A	1830 J	3360 J	2410 J	2490 J	2890 J	2990 J	2010 J	1810 J	1830 J
SELENIUM	40	ND	ND	ND	ND	ND	ND	1.2 J	2.2 J	ND
SODIUM	50000	30900	41300	42100	61200	71800	75800	13300	14500	12500
VANADIUM	N/A	9.5	2.8 J	3.6 J	6.2	1.8 J	ND	2.8 J	8.7	12.3
ZINC	2000	16.8	22.7	19.9	6.8	18.2	6.5	8.8	18.9	6.9

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

R2-0002594

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Potential	CDE-MW22-04
Sample Location	Cleanup	MW-22-04
Sample Depth	Standard	305-315 ft
Matrix	ug/L	Groundwater
Units		ug/L
Sample Date		3/25/2010
ALUMINUM	50	ND
ANTIMONY	6	ND
ARSENIC	3	428
BARIUM	2000	125
BERYLLIUM	1	ND
CADMIUM	4	ND
CALCIUM	N/A	34500
CHROMIUM	70	ND
COBALT	100	ND
COPPER	1300	0.74 J
IRON	300	ND
LEAD	5	0.31 J
MAGNESIUM	N/A	23600
MANGANESE	50	226
MERCURY	2	ND
NICKEL	100	2.2 J
POTASSIUM	N/A	1850 J
SELENIUM	40	ND
SODIUM	50000	16000
VANADIUM	N/A	10.4
ZINC	2000	7.4

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	4/8/2010	3/31/2010	3/31/2010	3/25/2010	3/26/2010	4/8/2010	4/1/2010	4/7/2010
PCB-1	29	22000	120	74	ND	ND	35	69000
PCB-2	ND	83	ND	ND	ND	ND	ND	250
PCB-3	ND	370	ND	ND	ND	ND	ND	400
PCB-4	210	140000	1400	1000	33	330	670	170000
PCB-5	ND	600	ND	ND	ND	ND	ND	1700
PCB-6	24	7800	55	53	ND	31	100	16000
PCB-7	ND	730	ND	ND	ND	ND	ND	2300
PCB-8	100	20000	190	140	34	100	480	60000
PCB-9	ND	2400	27	ND	ND	ND	26	5000
PCB-10	ND	11000	410	33	ND	ND	ND	6200
PCB-11	ND	24	ND	ND	ND	ND	ND	86
PCB-12/13	ND	200	ND	ND	ND	ND	ND	550
PCB-14	ND	ND	ND	ND	ND	ND	ND	ND
PCB-15	25	1900	260	36	ND	48	57	3400
PCB-16	ND	9500	ND	ND	ND	120	ND	16000
PCB-17	ND	6600	ND	ND	ND	ND	ND	11000
PCB-18/30	ND	22000	ND	ND	ND	290	ND	33000
PCB-19	ND	40000	1200	160	ND	ND	160	12000
PCB-20/28	ND	3700	ND	ND	ND	ND	ND	8000
PCB-21/33	ND	1600	ND	ND	ND	ND	ND	5300
PCB-22	ND	1900	ND	ND	ND	ND	ND	3700
PCB-23	ND	ND	ND	ND	ND	ND	ND	ND
PCB-24	ND	490	ND	ND	ND	ND	ND	400
PCB-25	ND	290	ND	ND	ND	ND	ND	760
PCB-26/29	ND	900	ND	ND	ND	ND	ND	2000
PCB-27	ND	2700	140	ND	ND	ND	ND	1900
PCB-31	ND	3600	ND	ND	ND	130	ND	7900
PCB-32	ND	11000	ND	ND	ND	ND	ND	6000
PCB-34	ND	ND	ND	ND	ND	ND	ND	40

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	4/8/2010	3/31/2010	3/31/2010	3/25/2010	3/26/2010	4/8/2010	4/1/2010	4/7/2010
PCB-35	ND	ND	ND	ND	ND	ND	ND	120
PCB-36	ND	ND	ND	ND	ND	ND	ND	ND
PCB-37	ND	250	ND	ND	ND	42	ND	1300
PCB-38	ND	ND	ND	ND	ND	ND	ND	ND
PCB-39	ND	ND	ND	ND	ND	ND	ND	ND
PCB-40/41/71	ND	920	ND	96	ND	ND	ND	2900
PCB-42	23	340	ND	56	ND	25	25	1300
PCB-43	ND	58	ND	ND	ND	ND	ND	220
PCB-44/47/65	170	2100	160	360	140	150	220	8500
PCB-45/51	ND	1000	75	61	ND	ND	52	1600
PCB-46	ND	410	ND	27	ND	ND	ND	600
PCB-48	ND	250	ND	24	ND	ND	26	1000
PCB-49/69	90	940	110	300	62	72	110	4500
PCB-50/53	ND	1100	110	120	ND	ND	R	1500
PCB-52	410	3800	1100	990	240	270	530	17000
PCB-54	ND	80	ND	ND	ND	ND	ND	49
PCB-55	ND	24	ND	ND	ND	ND	ND	110
PCB-56	26	450	ND	47	29	30	ND	1600
PCB-57	ND	ND	ND	ND	ND	ND	ND	28
PCB-58	ND	ND	ND	ND	ND	ND	ND	ND
PCB-59/62/75	ND	130	ND	ND	ND	ND	ND	420
PCB-60	ND	210	ND	ND	ND	ND	ND	790
PCB-61/70/74/76	160	2500	ND	290	170	140	140	11000
PCB-63	ND	28	ND	ND	ND	ND	ND	140
PCB-64	48	690	60	98	38	46	54	2600
PCB-66	50	750	ND	89	44	49	37	3200
PCB-67	ND	ND	ND	ND	ND	ND	ND	180
PCB-68	ND	ND	ND	ND	ND	ND	ND	ND
PCB-72	ND	ND	ND	ND	ND	ND	ND	35

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	4/8/2010	3/31/2010	3/31/2010	3/25/2010	3/26/2010	4/8/2010	4/1/2010	4/7/2010
PCB-73	ND	ND	ND	ND	ND	ND	ND	ND
PCB-77	ND	39	ND	ND	ND	ND	ND	180
PCB-78	ND	ND	ND	ND	ND	ND	ND	ND
PCB-79	ND	38	ND	ND	ND	ND	ND	92
PCB-80	ND	ND	ND	ND	ND	ND	ND	ND
PCB-81	ND	ND	ND	ND	ND	ND	ND	ND
PCB-82	24	540	ND	64	39	ND	ND	1300
PCB-83/99	120	1700	ND	270	130	70	77	7900
PCB-84	100	1500	25	200	120	67	110	5000
PCB-85/116/117	ND	620	ND	90	ND	ND	ND	1900
PCB-86/87/97/108/119/125	170	3000	ND	390	220	ND	ND	8300
PCB-88/91	43	530	ND	89	ND	ND	ND	2100
PCB-89	ND	42	ND	ND	ND	ND	ND	130
PCB-90/101/113	250	3500	74	540	290	150	170	18000
PCB-92	49	610	ND	100	55	27	36	3000
PCB-93/95/98/100/102	330	3700	250	630	310	190	330	14000
PCB-94	ND	ND	ND	ND	ND	ND	ND	65
PCB-96	ND	23	ND	ND	ND	ND	ND	120
PCB-103	ND	ND	ND	ND	ND	ND	ND	86
PCB-104	ND	ND	ND	ND	ND	ND	ND	ND
PCB-105	54	1300	ND	200	110	53	24	2900
PCB-106	ND	ND	ND	ND	ND	ND	ND	ND
PCB-107/124	ND	130	ND	ND	ND	ND	ND	480
PCB-109	ND	190	ND	31	ND	ND	ND	620
PCB-110/115	260	4800	64	660	360	190	180	13000
PCB-111	ND	ND	ND	ND	ND	ND	ND	ND
PCB-112	ND	ND	ND	ND	ND	ND	ND	ND
PCB-114	ND	71	ND	ND	ND	ND	ND	160
PCB-118	140	2800	30	490	240	110	63	8500 J

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	4/8/2010	3/31/2010	3/31/2010	3/25/2010	3/26/2010	4/8/2010	4/1/2010	4/7/2010
PCB-120	ND	ND	ND	ND	ND	ND	ND	ND
PCB-121	ND	ND	ND	ND	ND	ND	ND	ND
PCB-122	ND	45	ND	ND	ND	ND	ND	93
PCB-123	ND	41	ND	ND	ND	ND	ND	140
PCB-126	ND	ND	ND	ND	ND	ND	ND	ND
PCB-127	ND	ND	ND	ND	ND	ND	ND	ND
PCB-128/166	ND	800	ND	110	57	ND	ND	1300
PCB-129/138/160/163	120	3500	ND	530	280	150	ND	6900
PCB-130	ND	240	ND	34	ND	ND	ND	460
PCB-131	ND	63	ND	ND	ND	ND	ND	140
PCB-132	61	1600	ND	200	120	66	31	2900
PCB-133	ND	31	ND	ND	ND	ND	ND	120
PCB-134/143	ND	230	ND	ND	ND	ND	ND	470
PCB-135/151/154	ND	650	ND	100	ND	ND	ND	2000
PCB-136	26	420	ND	57	36	ND	ND	1100
PCB-137	ND	240	ND	37	ND	ND	ND	560
PCB-139/140	ND	76	ND	ND	ND	ND	ND	200
PCB-141	ND	520	ND	75	40	ND	ND	1400
PCB-142	ND	ND	ND	ND	ND	ND	ND	ND
PCB-144	ND	110	ND	ND	ND	ND	ND	420
PCB-145	ND	ND	ND	ND	ND	ND	ND	ND
PCB-146	ND	310	ND	52	ND	ND	ND	1100
PCB-147/149	100	2100	ND	330	180	92	55	5100
PCB-148	ND	ND	ND	ND	ND	ND	ND	ND
PCB-150	ND	ND	ND	ND	ND	ND	ND	ND
PCB-152	ND	ND	ND	ND	ND	ND	ND	ND
PCB-153/168	76	1800	ND	290	150	74	ND	7100
PCB-155	ND	ND	ND	ND	ND	ND	ND	ND
PCB-156/157	ND	440	ND	89	ND	ND	ND	800

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	4/8/2010	3/31/2010	3/31/2010	3/25/2010	3/26/2010	4/8/2010	4/1/2010	4/7/2010
PCB-158	ND	390	ND	60	ND	ND	ND	750
PCB-159	ND	ND	ND	ND	ND	ND	ND	ND
PCB-161	ND	ND	ND	ND	ND	ND	ND	ND
PCB-162	ND	ND	ND	ND	ND	ND	ND	42
PCB-164	ND	230	ND	35	ND	ND	ND	430
PCB-165	ND	ND	ND	ND	ND	ND	ND	ND
PCB-167	ND	120	ND	25	ND	ND	ND	490
PCB-169	ND	ND	ND	ND	ND	ND	ND	ND
PCB-170	ND	330	ND	61	29	R	ND	570
PCB-171/173	ND	110	ND	ND	ND	ND	ND	190
PCB-172	ND	R	ND	ND	ND	ND	ND	150
PCB-174	ND	240	ND	37	ND	ND	ND	410
PCB-175	ND	ND	ND	ND	ND	ND	ND	33
PCB-176	ND	30	ND	ND	ND	ND	ND	71
PCB-177	ND	150	ND	23	ND	ND	ND	250
PCB-178	ND	31	ND	ND	ND	ND	ND	110
PCB-179	ND	74	ND	ND	ND	ND	ND	160
PCB-180/193	ND	410	ND	83	ND	ND	ND	1600
PCB-181	ND	ND	ND	ND	ND	ND	ND	ND
PCB-182	ND	ND	ND	ND	ND	ND	ND	ND
PCB-183/185	ND	140	ND	ND	ND	ND	ND	480
PCB-184	ND	ND	ND	ND	ND	ND	ND	ND
PCB-186	ND	ND	ND	ND	ND	ND	ND	ND
PCB-187	ND	180	ND	31	ND	ND	ND	650
PCB-188	ND	ND	ND	ND	ND	ND	ND	ND
PCB-189	ND	ND	ND	ND	ND	ND	ND	38
PCB-190	ND	55	ND	ND	ND	ND	ND	91
PCB-191	ND	ND	ND	ND	ND	ND	ND	44
PCB-192	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	4/8/2010	3/31/2010	3/31/2010	3/25/2010	3/26/2010	4/8/2010	4/1/2010	4/7/2010
PCB-194	ND	48	ND	ND	ND	ND	ND	140
PCB-195	ND	ND	ND	ND	ND	ND	ND	28
PCB-196	ND	ND	ND	ND	ND	ND	ND	76
PCB-197/200	ND	ND	ND	ND	ND	ND	ND	ND
PCB-198/199	ND	50	ND	ND	ND	ND	ND	150
PCB-201	ND	ND	ND	ND	ND	ND	ND	ND
PCB-202	ND	ND	ND	ND	ND	ND	ND	27
PCB-203	ND	31	ND	ND	ND	ND	ND	93
PCB-204	ND	ND	ND	ND	ND	ND	ND	ND
PCB-205	ND	ND	ND	ND	ND	ND	ND	ND
PCB-206	ND	ND	ND	ND	ND	ND	ND	53
PCB-207	ND	ND	ND	ND	ND	ND	ND	ND
PCB-208	ND	ND	ND	ND	ND	ND	ND	ND
PCB-209	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Congeners)	3288	*	5860	10067	3556	*	*	630840 J

Notes:

ND= non-detect

* = compound detected but total could not be calculated due to rejected data

** = This data for MW-11 will not be used. The PCB Congener results from MW-11 were qualified as "U-non detect" at elevated reporting limits by the data validator because of high method blank and equipment rinse contamination associated with this sample. Please note that MW-11 contained elevated levels of PCB Aroclors in Oct 2009 and March 2010 and elevated levels of PCB Congeners in July 2010.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW24-03	CDE-FPW-09	CDE-MW01A	CDE-MW03	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12
Sample Location	DUP of FPW-01	FPW-09	MW-01A	MW-03	MW-05	MW-08	MW-11	MW-12
Sample Depth	31-41 ft	300-310 ft	24-49 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	pg/L	pg/L	pg/L	pg/L	ug/L	pg/L	pg/L
Sample Date	4/7/2010	4/7/2010	3/24/2010	3/25/2010	4/8/2010	3/25/2010	3/29/2010	4/5/2010
PCB-1	73000	490	2100	610000	20000	150000	**	8100000
PCB-2	160	46	760	1600	36	4000	**	540000
PCB-3	710	110	720	29000	280	31000	**	2700000
PCB-4	170000	4000	210000	3500000	210000 J	1900000	**	75000000
PCB-5	1700	46	1100	19000	1000	16000	**	2100000
PCB-6	18000	810	15000	260000	19000	270000	**	26000000
PCB-7	2300	97	320	28000	1300	20000	**	3500000
PCB-8	77000	3600	61000	1200000	75000 J	1500000	**	120000000
PCB-9	5300	240	380	66000	4400	70000	**	7000000
PCB-10	6200	610	26000	98000	9800	38000	**	2500000
PCB-11	46	32	530	1400	110	760	**	ND
PCB-12/13	800	140	1500	11000	5900	18000	**	3800000
PCB-14	ND	ND	ND	ND	ND	ND	**	ND
PCB-15	10000	1700	13000	74000	31000 J	220000	**	42000000
PCB-16	32000	1700	24000	300000	41000	590000	**	86000000
PCB-17	22000	2600	21000	220000	48000	440000	**	72000000
PCB-18/30	58000	4800	64000	540000	230000 J	1100000	**	170000000
PCB-19	17000	3200	96000	220000	110000 J	230000	**	22000000
PCB-20/28	31000	4900	27000	95000	230000 J	510000	**	100000000
PCB-21/33	25000	2300	8200	51000	21000	400000	**	58000000
PCB-22	16000	1800	11000	37000	52000	250000	**	43000000
PCB-23	48	ND	32	180	ND	720	**	ND
PCB-24	720	130	2700	6900	4200	16000	**	2400000
PCB-25	2600	370	2500	10000	9300	42000	6900000	7300000
PCB-26/29	7000	910	6600	29000	21000	120000	**	20000000
PCB-27	4100	700	11000	42000	36000	88000	**	11000000
PCB-31	30000	4200	24000	99000	67000 J	520000	**	91000000
PCB-32	14000	2500	43000	120000	95000 J	260000	**	38000000
PCB-34	120	ND	130	440	330	1800	**	380000

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW24-03	CDE-FPW-09	CDE-MW01A	CDE-MW03	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12
Sample Location	DUP of FPW-01	FPW-09	MW-01A	MW-03	MW-05	MW-08	MW-11	MW-12
Sample Depth	31-41 ft	300-310 ft	24-49 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	pg/L	pg/L	pg/L	pg/L	ug/L	pg/L	pg/L
Sample Date	4/7/2010	4/7/2010	3/24/2010	3/25/2010	4/8/2010	3/25/2010	3/29/2010	4/5/2010
PCB-35	320	55	820	1400	490	3000	**	780000
PCB-36	ND	ND	28	58	ND	ND	**	ND
PCB-37	7400	930	2200	5400	28000 J	71000	**	18000000
PCB-38	ND	ND	ND	ND	160	R	**	ND
PCB-39	150	ND	100	180	440	640	**	ND
PCB-40/41/71	15000	1400	9600	20000	120000 J	84000	**	25000000
PCB-42	5900	640	3800	10000	53000	31000	**	11000000
PCB-43	1000	100	520	1500	4100	5800	**	2600000
PCB-44/47/65	44000	3700	44000	90000	410000 J	160000	**	54000000
PCB-45/51	5900	560	7200	13000	47000	56000	**	16000000
PCB-46	2400	190	3100	5100	17000	20000	**	5900000
PCB-48	4800	540	2300	5400	18000	29000	**	10000000
PCB-49/69	22000	2200	17000	47000	240000 J	74000	**	26000000
PCB-50/53	5300	550	10000	18000	52000	44000	**	12000000
PCB-52	88000	7400	100000	210000	520000	200000	**	80000000
PCB-54	110	ND	330	860	1200	1800	**	ND
PCB-55	470	69	310	790	2100	1800	**	590000
PCB-56	12000	1300	3800	13000	97000 J	29000	**	8900000
PCB-57	97	ND	73	350	490	330	**	ND
PCB-58	120	ND	ND	180	820	86	**	ND
PCB-59/62/75	2000	210	1400	3200	17000	12000	**	4200000
PCB-60	5900	720	1500	4900	38000	15000	**	4100000
PCB-61/70/74/76	72000	9200	29000	86000	500000 J	110000	**	38000000
PCB-63	790	120	340	1300	6700	1800	**	680000
PCB-64	13000	1300	9900	23000	140000 J	50000	**	18000000
PCB-66	21000	2800	8100	32000	200000 J	43000	**	14000000
PCB-67	600	100	530	2000	2900	2000	**	590000
PCB-68	37	ND	55	340	360	78	**	ND
PCB-72	76	ND	110	600	680	190	**	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW24-03	CDE-FPW-09	CDE-MW01A	CDE-MW03	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12
Sample Location	DUP of FPW-01	FPW-09	MW-01A	MW-03	MW-05	MW-08	MW-11	MW-12
Sample Depth	31-41 ft	300-310 ft	24-49 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	pg/L	pg/L	pg/L	pg/L	ug/L	pg/L	pg/L
Sample Date	4/7/2010	4/7/2010	3/24/2010	3/25/2010	4/8/2010	3/25/2010	3/29/2010	4/5/2010
PCB-73	ND	ND	ND	ND	ND	ND	**	ND
PCB-77	1600	150	830	2400	6400	1700	**	780000
PCB-78	ND	ND	ND	37	ND	ND	**	ND
PCB-79	3000	83	330	1300	10000	380	**	ND
PCB-80	ND	ND	ND	ND	ND	ND	**	ND
PCB-81	96	ND	36	140	690	98	**	ND
PCB-82	14000	1200	ND	13000	130000	4600	**	2300000
PCB-83/99	58000	6700	12000	65000	440000	18000	**	7800000
PCB-84	41000	2500	13000	36000	280000	18000	**	10000000
PCB-85/116/117	18000	1900	ND	19000	220000 J	5400	**	2600000
PCB-86/87/97/108/119/125	84000	8000	ND	93000	800000	33000	**	14000000
PCB-88/91	16000	1200	4500	17000	160000 J	7000	**	3200000
PCB-89	1000	75	370	1000	8800	540	**	300000
PCB-90/101/113	110000	13000	28000	130000	870000	46000	**	16000000
PCB-92	20000	2000	4600	19000	170000	7000	**	3000000
PCB-93/95/98/100/102	110000	7600	46000	120000	820000	63000	**	29000000
PCB-94	380	32	170	550	4300	230	**	ND
PCB-96	610	40	360	820	6800	490	**	330000
PCB-103	350	43	150	570	4900	190	**	ND
PCB-104	ND	ND	ND	ND	61	ND	**	ND
PCB-105	41000	4300	ND	41000	300000	8900	**	2900000
PCB-106	ND	ND	ND	ND	ND	ND	**	ND
PCB-107/124	4100	640	ND	4400	55000 J	1000	**	ND
PCB-109	5600	800	ND	7100	79000 J	1400	**	520000
PCB-110/115	140000	13000	ND	160000	1300000	52000	**	21000000
PCB-111	ND	ND	ND	28	ND	ND	**	ND
PCB-112	ND	ND	ND	ND	ND	ND	**	ND
PCB-114	2300	260	ND	2300	29000	500	**	ND
PCB-118	85000 J	11000	ND	100000	730000 J	ND	**	7200000 J

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW24-03	CDE-FPW-09	CDE-MW01A	CDE-MW03	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12
Sample Location	DUP of FPW-01	FPW-09	MW-01A	MW-03	MW-05	MW-08	MW-11	MW-12
Sample Depth	31-41 ft	300-310 ft	24-49 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	pg/L	pg/L	pg/L	pg/L	ug/L	pg/L	pg/L
Sample Date	4/7/2010	4/7/2010	3/24/2010	3/25/2010	4/8/2010	3/25/2010	3/29/2010	4/5/2010
PCB-120	ND	ND	27	160	R	ND	**	ND
PCB-121	ND	ND	ND	ND	ND	ND	**	ND
PCB-122	1200	140	ND	1300	13000	ND	**	ND
PCB-123	1400	180	ND	1700	19000	330	3300000	ND
PCB-126	ND	ND	93	320	ND	ND	**	ND
PCB-127	140	27	25	220	2700	41	**	ND
PCB-128/166	22000	1900	ND	24000	230000 J	ND	**	890000
PCB-129/138/160/163	110000	10000	ND	130000	760000	ND	**	4200000
PCB-130	7000	660	ND	7400	74000	ND	**	290000
PCB-131	1900	150	ND	1700	20000	ND	**	ND
PCB-132	47000	3200	ND	42000	290000	ND	**	2000000
PCB-133	970	120	ND	1100	10000	ND	**	ND
PCB-134/143	6400	490	ND	6300	67000	ND	**	ND
PCB-135/151/154	21000	1900	ND	22000	230000 J	ND	**	1500000
PCB-136	14000	770	ND	11000	120000 J	ND	**	990000
PCB-137	6900	780	ND	7300	82000	ND	**	280000
PCB-139/140	2300	230	ND	2300	23000	ND	**	ND
PCB-141	14000	1600	ND	17000	120000	ND	**	640000
PCB-142	ND	ND	ND	ND	ND	ND	**	ND
PCB-144	3500	360	ND	3500	38000	ND	**	ND
PCB-145	57	ND	ND	R	500	ND	**	ND
PCB-146	9800	1400	ND	12000	120000 J	ND	**	430000
PCB-147/149	67000	5300	ND	68000	420000	ND	**	3300000
PCB-148	44	ND	ND	R	540	ND	**	ND
PCB-150	97	ND	ND	100	910	ND	**	ND
PCB-152	130	ND	ND	130	1000	ND	**	ND
PCB-153/168	62000	8200	ND	81000	410000	ND	**	2600000
PCB-155	ND	ND	ND	ND	ND	ND	**	ND
PCB-156/157	15000	1600	ND	15000	170000 J	ND	**	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW24-03	CDE-FPW-09	CDE-MW01A	CDE-MW03	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12
Sample Location	DUP of FPW-01	FPW-09	MW-01A	MW-03	MW-05	MW-08	MW-11	MW-12
Sample Depth	31-41 ft	300-310 ft	24-49 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	pg/L	pg/L	pg/L	pg/L	ug/L	pg/L	pg/L
Sample Date	4/7/2010	4/7/2010	3/24/2010	3/25/2010	4/8/2010	3/25/2010	3/29/2010	4/5/2010
PCB-158	11000	1200	ND	13000	130000 J	ND	**	470000
PCB-159	280	25	120	350	2200	42	**	ND
PCB-161	ND	ND	ND	ND	ND	ND	**	ND
PCB-162	340	47	54	480	3600	65	**	ND
PCB-164	6800	600	ND	7600	65000	ND	**	310000
PCB-165	ND	ND	ND	ND	ND	ND	**	ND
PCB-167	4100	550	ND	4400	47000 J	ND	**	ND
PCB-169	ND	ND	ND	ND	ND	ND	**	ND
PCB-170	9800	980	3900	13000	80000 J	ND	**	310000
PCB-171/173	3100	280	1100	4100	26000	ND	**	ND
PCB-172	1300	170	500	1800	10000	ND	**	ND
PCB-174	6900	570	2800	9100	51000	ND	**	ND
PCB-175	290	36	110	400	2500	49	**	ND
PCB-176	930	77	300	1200	7100	ND	**	ND
PCB-177	4000	370	1700	5800	34000	ND	**	ND
PCB-178	930	100	360	1300	7600	ND	**	ND
PCB-179	2200	170	770	2700	15000	ND	**	ND
PCB-180/193	13000	1800	7100	21000	100000 J	ND	**	ND
PCB-181	240	26	R	260	2500	38	**	ND
PCB-182	63	ND	ND	83	580	ND	**	ND
PCB-183/185	4600	550	2100	6500	35000	ND	**	ND
PCB-184	ND	ND	ND	ND	68	ND	**	ND
PCB-186	ND	ND	ND	ND	66	ND	**	ND
PCB-187	6000	670	2700	8700	45000	ND	**	ND
PCB-188	ND	ND	ND	ND	67	ND	**	ND
PCB-189	460	44	130	480	3900	62	**	ND
PCB-190	1500	170	740	2300	13000	290	**	ND
PCB-191	330	45	150	510	2700	60	**	ND
PCB-192	ND	ND	ND	ND	ND	ND	**	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW24-03	CDE-FPW-09	CDE-MW01A	CDE-MW03	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12
Sample Location	DUP of FPW-01	FPW-09	MW-01A	MW-03	MW-05	MW-08	MW-11	MW-12
Sample Depth	31-41 ft	300-310 ft	24-49 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	pg/L	pg/L	pg/L	pg/L	ug/L	pg/L	pg/L
Sample Date	4/7/2010	4/7/2010	3/24/2010	3/25/2010	4/8/2010	3/25/2010	3/29/2010	4/5/2010
PCB-194	1500	140	1100	2600	5100	270	**	ND
PCB-195	640	46	500	1200	2100	120	**	ND
PCB-196	720	75	590	1300	2700	ND	**	ND
PCB-197/200	ND	ND	170	410	1100	51	**	ND
PCB-198/199	1500	140	840	2100	7600	ND	**	ND
PCB-201	160	ND	98	260	770	35	**	ND
PCB-202	270	24	98	280	1800	42	**	ND
PCB-203	960	110	680	1600	5300	170	**	ND
PCB-204	ND	ND	ND	ND	ND	ND	**	ND
PCB-205	78	ND	54	130	250	ND	**	ND
PCB-206	590	59	170	630	7500	ND	**	ND
PCB-207	68	ND	ND	76	800	ND	**	ND
PCB-208	160	ND	26	130	3000	30	**	ND
PCB-209	70	ND	ND	110	1700	ND	**	ND
PCBs (Congeners)	2209927 J	198719	*	*	*	*	**	1503800000 J

Notes:

ND= non-detect

* = compound detected but total could not be calculated due to rejected data

** = This data for MW-11 will not be used. The PCB Congener results from MW-11 were qualified as "U-non detect" at elevated reporting limits by the data validator because of high method blank and equipment rinsate contamination associated with this sample. Please note that MW-11 contained elevated levels of PCB Aroclors in Oct 2009 and March 2010 and elevated levels of PCB Congeners in July 2010.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW24-02
Sample Location	MW-13-07	MW-14D-03	MW-14S-04	MW-15D-01	MW-16-07	MW-17-02	DUP of MW17-02
Sample Depth	230-240 ft	199-209 ft	65-70 ft	125-135 ft	195-205 ft	205-215 ft	205-215 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	ug/L
Sample Date	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/12/2010	3/26/2010	3/26/2010
PCB-1	1600	8900	20000000	450	7900	78 J	140
PCB-2	27	400	1500000	25	ND	R	ND
PCB-3	49	1500	7800000	91	ND	R	29
PCB-4	14000	170000 J	410000000	7100	88000	1200	2800
PCB-5	80	1500	6100000	62	100	ND	29
PCB-6	1100	28000	140000000	1300	1700	99	580
PCB-7	110	1900	11000000	110	83	ND	45
PCB-8	5200	120000	840000000	6400	3100	410	3200
PCB-9	300	7400	32000000	320	580	32	140
PCB-10	460	5300	8800000	2400	2200	1000	1400
PCB-11	30	120	700000	44	ND	ND	ND
PCB-12/13	100	1700	14000000	280	ND	57	85
PCB-14	ND	ND	ND	ND	ND	ND	ND
PCB-15	680	42000 J	230000000	4700	650	1300	1700
PCB-16	2500	130000	800000000	4700	4100	ND	3200
PCB-17	1900	100000	730000000	6400	3500	ND	3600
PCB-18/30	4900	260000	1400000000	11000	11000	ND	6800
PCB-19	2500	73000	160000000	17000	8600	9600	8400
PCB-20/28	1900	140000	1400000000	20000	800	ND	5600
PCB-21/33	1300	41000	940000000	3400	350	ND	2800
PCB-22	930	56000	560000000	7100	330	ND	2400
PCB-23	ND	170	1800000	ND	ND	ND	ND
PCB-24	81	5100	17000000	920	140	290	320
PCB-25	180	6700	110000000	850	ND	120	350
PCB-26/29	440	24000	250000000	2500	ND	330	960
PCB-27	730	26000	90000000	2900	950	990	1200
PCB-31	1800	87000	1300000000	8600	820	ND	4300
PCB-32	1500	91000	360000000	16000	2400	4900	4900
PCB-34	ND	390	4200000	23	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW24-02
Sample Location	MW-13-07	MW-14D-03	MW-14S-04	MW-15D-01	MW-16-07	MW-17-02	DUP of MW17-02
Sample Depth	230-240 ft	199-209 ft	65-70 ft	125-135 ft	195-205 ft	205-215 ft	205-215 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	ug/L
Sample Date	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/12/2010	3/26/2010	3/26/2010
PCB-35	25	420	12000000	84	ND	ND	ND
PCB-36	ND	ND	ND	ND	ND	ND	ND
PCB-37	400	22000 J	310000000	2200	44	130	730
PCB-38	ND	ND	370000	ND	ND	ND	ND
PCB-39	ND	390	3600000	22	ND	ND	ND
PCB-40/41/71	830	51000	610000000	3800	250	640	2200
PCB-42	350	19000	270000000	1700	97	300	900
PCB-43	51	2300	38000000	180	ND	R	140
PCB-44/47/65	2100	150000	1500000000	9400	900	1700	6600
PCB-45/51	430	26000	190000000	2600	340	840	1300
PCB-46	170	8800	66000000	930	150	290	480
PCB-48	240	14000	210000000	1000	88	100	670
PCB-49/69	1000	67000	830000000	4700	420	950	3300
PCB-50/53	500	26000	180000000	2500	510	930	1300
PCB-52	3700	330000	3200000000	16000	2300	4000	14000
PCB-54	35	520	2400000	80	45	34	37
PCB-55	31	910	21000000	97	ND	ND	49
PCB-56	630	21000	470000000	1900	51	99	1100
PCB-57	ND	180	3400000	ND	ND	ND	ND
PCB-58	ND	140	2300000	ND	ND	ND	ND
PCB-59/62/75	110	6800	78000000	640	ND	120	330
PCB-60	310	10000	240000000	930	ND	45	490
PCB-61/70/74/76	3600	88000	3100000000	11000	310	520	6800
PCB-63	42	1500	37000000	130	ND	ND	77
PCB-64	670	44000	670000000	3200	180	500	1900
PCB-66	1200	39000	890000000	3300	88	150	2000
PCB-67	39	970	25000000	120	ND	ND	63
PCB-68	ND	43	810000	ND	ND	ND	ND
PCB-72	ND	130	2000000	ND	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW24-02
Sample Location	MW-13-07	MW-14D-03	MW-14S-04	MW-15D-01	MW-16-07	MW-17-02	DUP of MW17-02
Sample Depth	230-240 ft	199-209 ft	65-70 ft	125-135 ft	195-205 ft	205-215 ft	205-215 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	ug/L
Sample Date	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/12/2010	3/26/2010	3/26/2010
PCB-73	ND	ND	ND	ND	ND	ND	ND
PCB-77	67	1700	53000000	150	ND	ND	79
PCB-78	ND	ND	ND	ND	ND	ND	ND
PCB-79	47	1100	46000000	130	ND	ND	85
PCB-80	ND	ND	ND	ND	ND	ND	ND
PCB-81	ND	140	3700000	ND	ND	ND	ND
PCB-82	700	14000	600000000	1900	41	56	990
PCB-83/99	2800	53000	2200000000	7500	160	220	4300
PCB-84	1600	57000	1200000000	5900	250	400	4000
PCB-85/116/117	940	16000	800000000	2500	ND	ND	1400
PCB-86/87/97/108/119/125	4200	86000	3400000000	12000	280	390	6500
PCB-88/91	650	21000	710000000	2300	88	130	1600
PCB-89	42	1200	31000000	150	ND	ND	100
PCB-90/101/113	5200	120000	4000000000	16000	390	580	9000
PCB-92	820	23000	730000000	2700	80	110	1700
PCB-93/95/98/100/102	4200	170000	3800000000	17000	840	1400	12000
PCB-94	ND	620	15000000	64	ND	ND	43
PCB-96	24	1100	22000000	120	ND	ND	94
PCB-103	ND	530	12000000	65	ND	ND	45
PCB-104	ND	ND	ND	ND	ND	ND	ND
PCB-105	2000	34000 J	16000000000	5000	66	75	2300
PCB-106	ND	ND	ND	ND	ND	ND	ND
PCB-107/124	220	3400	160000000	540	ND	ND	230
PCB-109	340	4900	2300000000	790	ND	ND	320
PCB-110/115	6700	150000	53000000000	19000	400	610	10000
PCB-111	ND	ND	ND	ND	ND	ND	ND
PCB-112	ND	ND	ND	ND	ND	ND	ND
PCB-114	110	1900	1100000000	260	ND	ND	130
PCB-118	4700 J	67000 J	40000000000 J	11000 J	140	180	5600

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW24-02
Sample Location	MW-13-07	MW-14D-03	MW-14S-04	MW-15D-01	MW-16-07	MW-17-02	DUP of MW17-02
Sample Depth	230-240 ft	199-209 ft	65-70 ft	125-135 ft	195-205 ft	205-215 ft	205-215 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	ug/L
Sample Date	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/12/2010	3/26/2010	3/26/2010
PCB-120	ND	ND	ND	ND	ND	ND	ND
PCB-121	ND	ND	ND	ND	ND	ND	ND
PCB-122	65	930	48000000	150	ND	ND	71
PCB-123	69	1400	60000000	180	ND	ND	81
PCB-126	ND	ND	ND	ND	ND	ND	ND
PCB-127	ND	200	6900000	33	ND	ND	ND
PCB-128/166	1100	14000	890000000	2900	ND	ND	980
PCB-129/138/160/163	5700	73000	3700000000	15000	130	150	5200
PCB-130	380	4700	270000000	920	ND	ND	360
PCB-131	94	1300	70000000	260	ND	ND	130
PCB-132	2100	28000	1400000000	5800	81	110	2800
PCB-133	55	680	16000000	130	ND	ND	58
PCB-134/143	310	4200	230000000	850	ND	ND	430
PCB-135/151/154	1100	15000	820000000	3000	ND	69	1500
PCB-136	540	9100	480000000	1700	42	60	1100
PCB-137	420	5100	340000000	950	ND	ND	410
PCB-139/140	120	1600	88000000	310	ND	ND	140
PCB-141	810	10000	600000000	2000	ND	27	830
PCB-142	ND	ND	1100000	ND	ND	ND	ND
PCB-144	190	2600	130000000	500	ND	ND	240
PCB-145	ND	38	1800000	ND	ND	ND	ND
PCB-146	580	8000	170000000	1400	ND	ND	560
PCB-147/149	3100	45000	2200000000	8900	130	180	4400
PCB-148	ND	33	690000	ND	ND	ND	ND
PCB-150	ND	64	2900000	ND	ND	ND	ND
PCB-152	ND	96	4800000	ND	ND	ND	ND
PCB-153/168	3400	43000	1100000000	8100	74	85	3100
PCB-155	ND	ND	ND	ND	ND	ND	ND
PCB-156/157	840	11000	580000000	1900	ND	ND	750

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW24-02
Sample Location	MW-13-07	MW-14D-03	MW-14S-04	MW-15D-01	MW-16-07	MW-17-02	DUP of MW17-02
Sample Depth	230-240 ft	199-209 ft	65-70 ft	125-135 ft	195-205 ft	205-215 ft	205-215 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	ug/L
Sample Date	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/12/2010	3/26/2010	3/26/2010
PCB-158	620	7700	490000000	1500	ND	ND	560
PCB-159	ND	220	7800000	45	ND	ND	ND
PCB-161	ND	ND	ND	ND	ND	ND	ND
PCB-162	ND	220	8500000	47	ND	ND	ND
PCB-164	340	4500	240000000	920	ND	ND	310
PCB-165	ND	ND	ND	ND	ND	ND	ND
PCB-167	240	3000	110000000	520	ND	ND	200
PCB-169	ND	ND	ND	ND	ND	ND	ND
PCB-170	690	6800	370000000	1500	ND	ND	450
PCB-171/173	200	2100	120000000	470	ND	ND	150
PCB-172	94	870	24000000	200	ND	ND	56
PCB-174	430	4400	240000000	1000	ND	ND	310
PCB-175	ND	210	5000000	43	ND	ND	ND
PCB-176	60	600	31000000	140	ND	ND	55
PCB-177	270	2600	140000000	620	ND	ND	190
PCB-178	64	650	18000000	140	ND	ND	49
PCB-179	130	1400	73000000	320	ND	ND	140
PCB-180/193	1000	9200	300000000	2100	ND	ND	560
PCB-181	ND	170	9200000	40	ND	ND	ND
PCB-182	ND	43	930000	ND	ND	ND	ND
PCB-183/185	310	3000	92000000	660	ND	ND	200
PCB-184	ND	ND	ND	ND	ND	ND	ND
PCB-186	ND	ND	ND	ND	ND	ND	ND
PCB-187	390	4300	110000000	880	ND	ND	270
PCB-188	ND	ND	ND	ND	ND	ND	ND
PCB-189	29	330	12000000	55	ND	ND	ND
PCB-190	120	1100	60000000	250	ND	ND	67
PCB-191	25	240	8800000	55	ND	ND	ND
PCB-192	ND	ND	ND	ND	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW24-02
Sample Location	MW-13-07	MW-14D-03	MW-14S-04	MW-15D-01	MW-16-07	MW-17-02	DUP of MW17-02
Sample Depth	230-240 ft	199-209 ft	65-70 ft	125-135 ft	195-205 ft	205-215 ft	205-215 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	ug/L
Sample Date	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/12/2010	3/26/2010	3/26/2010
PCB-194	130	1100	36000000	220	ND	ND	58
PCB-195	46	460	24000000	87	ND	ND	24
PCB-196	60	530	15000000	110	ND	ND	26
PCB-197/200	ND	ND	6800000	43	ND	ND	ND
PCB-198/199	120	1100	33000000	220	ND	ND	59
PCB-201	ND	130	2800000	27	ND	ND	ND
PCB-202	ND	190	4300000	38	ND	ND	ND
PCB-203	83	700	17000000	150	ND	ND	38
PCB-204	ND	ND	ND	ND	ND	ND	ND
PCB-205	ND	58	2000000	ND	ND	ND	ND
PCB-206	53	410	11000000	91	ND	ND	24
PCB-207	ND	49	920000	ND	ND	ND	ND
PCB-208	ND	110	2100000	23	ND	ND	ND
PCB-209	ND	52	700000	ND	ND	ND	ND
PCBs (Congeners)	122697 J	3524356 J	67665520000 J	363754 J	146268	*	186896

Notes:

ND= non-detect

* = compound detected but total could not be calculated due to rejected data

** = This data for MW-11 will not be used. The PCB Congener results from MW-11 were qualified as "U-non detect" at elevated reporting limits by the data validator because of high method blank and equipment rinsate contamination associated with this sample. Please note that MW-11 contained elevated levels of PCB Aroclors in Oct 2009 and March 2010 and elevated levels of PCB Congeners in July 2010.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW19-02	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-19-02	MW-20-02	MW-22-01
Sample Depth	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L
Sample Date	3/29/2010	3/30/2010	3/25/2010
PCB-1	41	43	ND
PCB-2	ND	ND	ND
PCB-3	ND	ND	ND
PCB-4	760	840	25
PCB-5	ND	ND	ND
PCB-6	110	39	ND
PCB-7	ND	ND	ND
PCB-8	490	180	ND
PCB-9	ND	ND	ND
PCB-10	ND	24	ND
PCB-11	ND	ND	ND
PCB-12/13	ND	ND	ND
PCB-14	ND	ND	ND
PCB-15	120	52	ND
PCB-16	ND	ND	ND
PCB-17	ND	ND	ND
PCB-18/30	ND	ND	ND
PCB-19	190	200	ND
PCB-20/28	ND	ND	ND
PCB-21/33	ND	ND	ND
PCB-22	ND	ND	ND
PCB-23	ND	ND	ND
PCB-24	ND	ND	ND
PCB-25	ND	ND	ND
PCB-26/29	ND	ND	ND
PCB-27	ND	ND	ND
PCB-31	ND	ND	ND
PCB-32	ND	ND	ND
PCB-34	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW19-02	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-19-02	MW-20-02	MW-22-01
Sample Depth	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L
Sample Date	3/29/2010	3/30/2010	3/25/2010
PCB-35	ND	ND	ND
PCB-36	ND	ND	ND
PCB-37	67	81	ND
PCB-38	ND	ND	ND
PCB-39	ND	ND	ND
PCB-40/41/71	230	240	ND
PCB-42	85	90	ND
PCB-43	ND	ND	ND
PCB-44/47/65	680	690	ND
PCB-45/51	93	79	ND
PCB-46	45	35	ND
PCB-48	68	67	ND
PCB-49/69	290	320	ND
PCB-50/53	92	85	ND
PCB-52	1200	1400	41
PCB-54	ND	ND	ND
PCB-55	ND	ND	ND
PCB-56	110	200	ND
PCB-57	ND	ND	ND
PCB-58	ND	ND	ND
PCB-59/62/75	ND	ND	ND
PCB-60	40	88	ND
PCB-61/70/74/76	560	1100	ND
PCB-63	ND	ND	ND
PCB-64	170	210	ND
PCB-66	150	330	ND
PCB-67	ND	ND	ND
PCB-68	ND	ND	ND
PCB-72	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW19-02	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-19-02	MW-20-02	MW-22-01
Sample Depth	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L
Sample Date	3/29/2010	3/30/2010	3/25/2010
PCB-73	ND	ND	ND
PCB-77	ND	24	ND
PCB-78	ND	ND	ND
PCB-79	ND	24	ND
PCB-80	ND	ND	ND
PCB-81	ND	ND	ND
PCB-82	130	270	ND
PCB-83/99	390	1000	ND
PCB-84	470	720	ND
PCB-85/116/117	130	350	ND
PCB-86/87/97/108/119/125	740	1600	ND
PCB-88/91	150	270	ND
PCB-89	ND	ND	ND
PCB-90/101/113	890	2000	ND
PCB-92	160	370	ND
PCB-93/95/98/100/102	1200	1800	ND
PCB-94	ND	ND	ND
PCB-96	ND	ND	ND
PCB-103	ND	ND	ND
PCB-104	ND	ND	ND
PCB-105	280	850	ND
PCB-106	ND	ND	ND
PCB-107/124	ND	74	ND
PCB-109	35	110	ND
PCB-110/115	1200	2600	ND
PCB-111	ND	ND	ND
PCB-112	ND	ND	ND
PCB-114	ND	41	ND
PCB-118	550	1800	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW19-02	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-19-02	MW-20-02	MW-22-01
Sample Depth	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L
Sample Date	3/29/2010	3/30/2010	3/25/2010
PCB-120	ND	ND	ND
PCB-121	ND	ND	ND
PCB-122	ND	ND	ND
PCB-123	ND	27	ND
PCB-126	ND	ND	ND
PCB-127	ND	ND	ND
PCB-128/166	150	470	ND
PCB-129/138/160/163	790	2200	ND
PCB-130	49	150	ND
PCB-131	ND	37	ND
PCB-132	370	940	ND
PCB-133	ND	ND	ND
PCB-134/143	56	130	ND
PCB-135/151/154	180	440	ND
PCB-136	130	260	ND
PCB-137	47	170	ND
PCB-139/140	ND	ND	ND
PCB-141	110	340	ND
PCB-142	ND	ND	ND
PCB-144	28	72	ND
PCB-145	ND	ND	ND
PCB-146	73	250	ND
PCB-147/149	550	1400	ND
PCB-148	ND	ND	ND
PCB-150	ND	ND	ND
PCB-152	ND	ND	ND
PCB-153/168	370	1300	ND
PCB-155	ND	ND	ND
PCB-156/157	88	330	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW19-02	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-19-02	MW-20-02	MW-22-01
Sample Depth	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L
Sample Date	3/29/2010	3/30/2010	3/25/2010
PCB-158	70	240	ND
PCB-159	ND	ND	ND
PCB-161	ND	ND	ND
PCB-162	ND	ND	ND
PCB-164	56	140	ND
PCB-165	ND	ND	ND
PCB-167	ND	89	ND
PCB-169	ND	ND	ND
PCB-170	59	200	ND
PCB-171/173	ND	58	ND
PCB-172	ND	27	ND
PCB-174	52	140	ND
PCB-175	ND	ND	ND
PCB-176	ND	ND	ND
PCB-177	28	83	ND
PCB-178	ND	ND	ND
PCB-179	ND	46	ND
PCB-180/193	79	250	ND
PCB-181	ND	ND	ND
PCB-182	ND	ND	ND
PCB-183/185	ND	89	ND
PCB-184	ND	ND	ND
PCB-186	ND	ND	ND
PCB-187	37	130	ND
PCB-188	ND	ND	ND
PCB-189	ND	ND	ND
PCB-190	ND	31	ND
PCB-191	ND	ND	ND
PCB-192	ND	ND	ND

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW19-02	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-19-02	MW-20-02	MW-22-01
Sample Depth	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L
Sample Date	3/29/2010	3/30/2010	3/25/2010
PCB-194	ND	28	ND
PCB-195	ND	ND	ND
PCB-196	ND	ND	ND
PCB-197/200	ND	ND	ND
PCB-198/199	ND	ND	ND
PCB-201	ND	ND	ND
PCB-202	ND	ND	ND
PCB-203	ND	ND	ND
PCB-204	ND	ND	ND
PCB-205	ND	ND	ND
PCB-206	ND	ND	ND
PCB-207	ND	ND	ND
PCB-208	ND	ND	ND
PCB-209	ND	ND	ND
PCBs (Congeners)	15288	30363	66

Notes:

ND= non-detect

* = compound detected but total could not be calculated due to rejected data

** = This data for MW-11 will not be used. The PCB Congener results from MW-11 were qualified as "U-non detect" at elevated reporting limits by the data validator because of high method blank and equipment rinse contamination associated with this sample. Please note that MW-11 contained elevated levels of PCB Aroclors in Oct 2009 and March 2010 and elevated levels of PCB Congeners in July 2010.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
DIOXINS/FURANS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01	CDE-MW24-03	CDE-FPW-09	CDE-MW01A
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01	DUP of FPW-01	FPW-09	MW-01A
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft	31-41 ft	300-310 ft	24-49 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	4/8/2010	3/31/2010	3/31/2010	3/25/2010	3/26/2010	4/8/2010	4/1/2010	4/7/2010	4/7/2010	4/7/2010	3/24/2010
2,3,7,8-TCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-PeCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-PeCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-HxCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-HxCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OCDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Tetra-Dioxins	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Penta-Dioxins	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Hexa-Dioxins	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Hepta-Dioxins	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Tetra-Furans	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Penta-Furans	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Hexa-Furans	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Hepta-Furans	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND= non-detect

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
DIOXINS/FURANS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW03	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW16-07
Sample Location	MW-03	MW-05	MW-08	MW-11	MW-12	MW-13-07	MW-14D-03	MW-14S-04	MW-15D-01	MW-16-07
Sample Depth	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft	230-240 ft	199-209 ft	65-70 ft	125-135 ft	195-205 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	3/25/2010	4/8/2010	3/25/2010	3/29/2010	4/5/2010	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/7/2010
2,3,7,8-TCDF	22	ND	ND	590	250	ND	ND	4200	ND	ND
1,2,3,7,8-PeCDF	ND	ND	ND	290	ND	ND	ND	2000	ND	ND
2,3,4,7,8-PeCDF	ND	ND	ND	770	89	ND	ND	6000	ND	ND
1,2,3,4,7,8-HxCDF	ND	ND	ND	3600	130	ND	ND	29000	ND	ND
1,2,3,6,7,8-HxCDF	ND	ND	ND	1600	63	ND	ND	12000	ND	ND
1,2,3,6,7,8-HxCDD	ND	ND	ND	ND	73	ND	ND	ND	ND	ND
2,3,4,6,7,8-HxCDF	ND	ND	ND	290	ND	ND	ND	2400	ND	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND	ND	ND	320	ND	ND
1,2,3,4,6,7,8-HpCDF	ND	ND	ND	1400	790	ND	ND	11000	ND	ND
1,2,3,4,6,7,8-HpCDD	ND	ND	ND	ND	2200	ND	ND	150	ND	ND
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	980	56	ND	ND	8500	ND	ND
OCDD	ND	ND	ND	ND	25000	ND	ND	330	ND	ND
OCDF	ND	ND	ND	1300	3000	ND	ND	11000	ND	ND
Total Tetra-Dioxins	ND	ND	ND	ND	ND	ND	ND	62	ND	ND
Total Penta-Dioxins	ND	ND	ND	ND	ND	ND	ND	80	ND	ND
Total Hexa-Dioxins	ND	ND	ND	ND	430	ND	ND	210	ND	ND
Total Hepta-Dioxins	ND	ND	ND	ND	7200	ND	ND	310	ND	ND
Total Tetra-Furans	230	28	ND	7000	2900	ND	11	35000	ND	ND
Total Penta-Furans	ND	ND	ND	6900	920	ND	ND	52000	ND	ND
Total Hexa-Furans	ND	ND	ND	10000	900	ND	ND	80000	ND	ND
Total Hepta-Furans	ND	ND	ND	3500	2700	ND	ND	29000	ND	ND

Notes:
ND= non-detect

TABLE 5-7
OU3 GROUNDWATER DETECTIONS- MARCH 2010
DIOXINS/FURANS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW17-02	CDE-MW24-02	CDE-MW19-02	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-17-02	DUP of MW-17-02	MW-19-02	MW-20-02	MW-22-01
Sample Depth	205-215 ft	205-215 ft	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	3/26/2010	3/26/2010	3/29/2010	3/30/2010	3/25/2010
2,3,7,8-TCDF	ND	ND	ND	ND	ND
1,2,3,7,8-PeCDF	ND	ND	ND	ND	ND
2,3,4,7,8-PeCDF	ND	ND	ND	ND	ND
1,2,3,4,7,8-HxCDF	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDF	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDD	ND	ND	ND	ND	ND
2,3,4,6,7,8-HxCDF	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDF	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDD	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	ND	ND
OCDD	ND	ND	ND	ND	ND
OCDF	ND	ND	ND	ND	ND
Total Tetra-Dioxins	ND	ND	ND	ND	ND
Total Penta-Dioxins	ND	ND	ND	ND	ND
Total Hexa-Dioxins	ND	ND	ND	ND	ND
Total Hepta-Dioxins	ND	ND	ND	ND	ND
Total Tetra-Furans	ND	ND	ND	ND	ND
Total Penta-Furans	ND	ND	ND	ND	ND
Total Hexa-Furans	ND	ND	ND	ND	ND
Total Hepta-Furans	ND	ND	ND	ND	ND

Notes:
ND= non-detect

TABLE 5-7
OU3 GROUNDWATER DETECTIONS-MARCH 2010
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-ERT1-01	CDE-ERT1-02	CDE-ERT1-03	CDE-ERT1-04	CDE-ERT1-05	CDE-ERT1-06	CDE-ERT1-07
LOCATION (WELL ID)		ERT-1-01	ERT-1-02	ERT-1-03	ERT-1-04	ERT-1-05	ERT-1-06	ERT-1-07
DEPTH (FT)		24-29	33-43	46-56	59-64	67-77	100-105	112-117
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	191	187	187	192	192	188	192
Chloride (mg/L)	250,000	33.4	32.3	32.6	34	35	45.9	60.8
Dissolved Organic Carbon (mg/L)	N/A	4.6	ND	ND	ND	ND	ND	ND
Ethane (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Ethene (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Hardness, Total as CaCO ₃ (mg/L)	250,000	213	200	205	200	213	201	228
Methane (ug/L)	N/A	149	10.1	18.4	82.4	18.6	28.8	198
Nitrogen, Nitrate (mg/L)	10,000	2	2.1	2.4	2.1	2.3	2.1	1.8
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	2	2.1	2.4	2.1	2.3	2.1	1.8
Nitrogen, Nitrite (mg/L)	1,000	ND	ND	ND	ND	ND	ND	ND
Sulfate (mg/L)	250,000	26.9	27.7	22.4	23.5	23.7	24.3	22.9
Total Organic Carbon (mg/L)	N/A	3.6	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Clean up Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS-MARCH 2010
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-ERT1-09	CDE-ERT1-08	CDE-MW13-01	CDE-MW13-02	CDE-MW13-03	CDE-MW13-04	CDE-MW13-05
LOCATION (WELL ID)		DUP of ERT-1-07	ERT-1-08	MW-13-01	MW-13-02	MW-13-03	MW-13-04	MW-13-05
DEPTH (FT)		112-117	135-140	18-28	35-45	63-73	95-105	115-125
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		4/8/2010	4/8/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	194	210	155	106	145	150	249
Chloride (mg/L)	250,000	60.8	88.1	62	103	71.7	56.5	50.8
Dissolved Organic Carbon (mg/L)	N/A	ND	ND	5	2	1.1	ND	ND
Ethane (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Ethene (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Hardness, Total as CaCO ₃ (mg/L)	250,000	224	ND	146	217	222	207	188
Methane (ug/L)	N/A	215	156	21.7	6.8	7.8	10.7	15.6
Nitrogen, Nitrate (mg/L)	10,000	1.8	1.6	ND	ND	ND	1180	ND
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	1.8	1.6	ND	ND	ND	1180	ND
Nitrogen, Nitrite (mg/L)	1,000	ND	ND	ND	ND	ND	ND	ND
Sulfate (mg/L)	250,000	22.6	23.4	26.5	28.7	31	31.9	30.9
Total Organic Carbon (mg/L)	N/A	ND	ND	4.6	2.5	1.3	1.3	1.2

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Clean up Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS-MARCH 2010
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MW13-06	CDE-MW13-07	CDE-MW25-05	CDE-MW14D-01	CDE-MW14D-02	CDE-MW14D-03
LOCATION (WELL ID)		MW-13-06	MW-13-07	DUP of MW-13-07	MW-14D-01	MW-14D-02	MW-14D-03
DEPTH (FT)		150-160	230-240	230-240	80-85	123-133	199-209
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		4/7/2010	4/7/2010	4/7/2010	4/6/2010	4/6/2010	4/6/2010
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	130	122	121	301	193	175
Chloride (mg/L)	250,000	70.5	109	109	16.4	36	39.4
Dissolved Organic Carbon (mg/L)	N/A	ND	1.3	1.3	1.6	3.6	1.3
Ethane (ug/L)	N/A	ND	ND	ND	0.14	0.33	0.19
Ethene (ug/L)	N/A	ND	ND	ND	ND	0.19	ND
Hardness, Total as CaCO ₃ (mg/L)	250,000	205	253	247	293	232	209
Methane (ug/L)	N/A	8.6	1	0.66	3.6	3.8	0.57
Nitrogen, Nitrate (mg/L)	10,000	ND	ND	ND	ND	0.31	0.85
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	ND	ND	ND	ND	0.31	0.85
Nitrogen, Nitrite (mg/L)	1,000	ND	ND	ND	ND	ND	ND
Sulfate (mg/L)	250,000	30	28.8	28.8	25.5	47.4	48.2
Total Organic Carbon (mg/L)	N/A	1.1	2.4	1.6	1.7	3.9	1.6

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Clean up Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS-MARCH 2010
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MW14S-01	CDE-MW14S-02	CDE-MW14S-03	CDE-MW14S-04	CDE-MW16-01	CDE-MW16-02
LOCATION (WELL ID)		MW-14S-01	MW-14S-02	MW-14S-03	MW-14S-04	MW-16-01	MW-16-02
DEPTH (FT)		30-35	41-46	55-60	65-70	20-30	40-50
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/7/2010	4/7/2010
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	180	200	243	295	146	167
Chloride (mg/L)	250,000	133	127	73.5	22.4	48.8	36.6
Dissolved Organic Carbon (mg/L)	N/A	2.4	2.4	2.5	2.6	4.3	2.9
Ethane (ug/L)	N/A	3.3	3.8	1.7	1.3	ND	0.18
Ethene (ug/L)	N/A	12.7	11.7	4.2	3.1	ND	ND
Hardness, Total as CaCO ₃ (mg/L)	250,000	257	299	282	291	162	181
Methane (ug/L)	N/A	64.8	74.4	35.3	14.3	5.3	13.8
Nitrogen, Nitrate (mg/L)	10,000	0.32	ND	ND	ND	0.58	0.68
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	0.32	ND	ND	ND	0.6	0.69
Nitrogen, Nitrite (mg/L)	1,000	ND	ND	ND	ND	0.021	0.011
Sulfate (mg/L)	250,000	ND	11.2	16.6	23.6	16.5	15
Total Organic Carbon (mg/L)	N/A	2.7	2.7	2.8	2.5	5.2	3.5

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Clean up Standard.

TABLE 5-7
OU3 GROUNDWATER DETECTIONS-MARCH 2010
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MW16-03	CDE-MW16-04	CDE-MW16-05	CDE-MW16-06	CDE-MW16-07	CDE-MW20-01	CDE-MW20-02
LOCATION (WELL ID)		MW-16-03	MW-16-04	MW-16-05	MW-16-06	MW-16-07	MW-20-01	MW-20-02
DEPTH (FT)		85-95	108-118	135-145	170-180	195-205	25-35	85-95
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	3/30/2010	3/30/2010
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	184	184	162	122	169	124	152
Chloride (mg/L)	250,000	45.5	45.8	33.8	37.6	42.5	1670	86.5
Dissolved Organic Carbon (mg/L)	N/A	1.6	ND	5.5	9.2	1.6	3.2	ND
Ethane (ug/L)	N/A	ND	0.44	0.98	0.2	ND	0.24	0.36
Ethene (ug/L)	N/A	0.23	0.42	0.84	ND	ND	ND	0.17
Hardness, Total as CaCO ₃ (mg/L)	250,000	215	209	165	209	213	330	260
Methane (ug/L)	N/A	186	141	1030	473	112	372	130
Nitrogen, Nitrate (mg/L)	10,000	1.3	2	ND	ND	ND	1.1	3.8
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	1.3	2	ND	ND	ND	1.2	3.8
Nitrogen, Nitrite (mg/L)	1,000	ND	ND	ND	ND	ND	0.087	0.024
Sulfate (mg/L)	250,000	31.8	26.8	24.3	45.6	41.5	30.8	35.3
Total Organic Carbon (mg/L)	N/A	1.7	ND	5.7	9.5	2	3.6	1.2

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS-MARCH 2010
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MW20-03	CDE-MW20-04	CDE-MW20-05	CDE-MW20-06	CDE-MW20-07	CDE-MW20-08	CDE-MW21-01
LOCATION (WELL ID)		MW-20-03	MW-20-04	MW-20-05	MW-20-06	MW-20-07	MW-20-08	MW-21-01
DEPTH (FT)		125-135	175-185	205-215	250-260	297-307	355-365	50-60
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	3/30/2010	4/5/2010
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	151	143	156	153	143	137	151
Chloride (mg/L)	250,000	54.6	39	32.8	31.8	26	18.3	13.6
Dissolved Organic Carbon (mg/L)	N/A	ND	1.2	1.5	ND	1.3	1.4	37.4
Ethane (ug/L)	N/A	ND	ND	ND	ND	0.19	ND	ND
Ethene (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Hardness, Total as CaCO ₃ (mg/L)	250,000	223	210	223	214	229	229	350
Methane (ug/L)	N/A	37.7	72.8	59.4	16.5	20.2	2.1	ND
Nitrogen, Nitrate (mg/L)	10,000	3.8	2.4	1.1	1.3	0.74	0.69	0.11
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	3.8	2.4	1.1	1.3	0.74	0.7	0.11
Nitrogen, Nitrite (mg/L)	1,000	ND	0.014	0.01	ND	ND	ND	ND
Sulfate (mg/L)	250,000	31.3	38.3	57.1	60.4	102	116	315
Total Organic Carbon (mg/L)	N/A	ND	1.2	1.7	ND	1.1	1.7	37

Notes:

ND = non-detect

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS-MARCH 2010
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MW21-02	CDE-MW21-03	CDE-MW24-05	CDE-MW21-04	CDE-MW21-05	CDE-MW21-06	CDE-MW21-07
LOCATION (WELL ID)		MW-21-02	MW-21-03	DUP of MW-21-03	MW-21-04	MW-21-05	MW-21-06	MW-21-07
DEPTH (FT)		87-97	150-160	150-160	205-215	260-270	428-438	485-495
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
SAMPLE DATE		4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010	4/5/2010
Alkalinity, Total as CaCO3 (mg/L)	N/A	158	148	134	104	119	99.9	86.3
Chloride (mg/L)	250,000	13.6	16.8	13.4	12.6	13.8	18.6	25
Dissolved Organic Carbon (mg/L)	N/A	ND	4.1 J	1 J	5.8	1.9	ND	ND
Ethane (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Ethene (ug/L)	N/A	ND	ND	ND	ND	ND	ND	ND
Hardness, Total as CaCO3 (mg/L)	250,000	454	353	369	374	393	899	1340
Methane (ug/L)	N/A	ND	ND	ND	0.23	ND	ND	ND
Nitrogen, Nitrate (mg/L)	10,000	ND	ND	1060 J	ND	0.81	0.26	1140
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	ND	ND	1060 J	ND	0.81	0.26	1140
Nitrogen, Nitrite (mg/L)	1,000	ND	0.013 J	ND	ND	ND	ND	ND
Sulfate (mg/L)	250,000	315	290	329	346	352	1080	1560
Total Organic Carbon (mg/L)	N/A	ND	4.4 J	1 J	6.3	2.1	ND	ND

Notes:

ND = non-detect

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TABLE 5-7
OU3 GROUNDWATER DETECTIONS-MARCH 2010
GEOCHEMICAL PARAMETERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard	CDE-MW21-08
LOCATION (WELL ID)		MW-21-08
DEPTH (FT)		505-515
MATRIX		Groundwater
SAMPLE DATE		4/5/2010
Alkalinity, Total as CaCO ₃ (mg/L)	N/A	85.7
Chloride (mg/L)	250,000	25.5
Dissolved Organic Carbon (mg/L)	N/A	1.3
Ethane (ug/L)	N/A	ND
Ethene (ug/L)	N/A	ND
Hardness, Total as CaCO ₃ (mg/L)	250,000	1290
Methane (ug/L)	N/A	0.17
Nitrogen, Nitrate (mg/L)	10,000	0.29
Nitrogen, Nitrate + Nitrite (mg/L)	10,000	0.29
Nitrogen, Nitrite (mg/L)	1,000	ND
Sulfate (mg/L)	250,000	1490
Total Organic Carbon (mg/L)	N/A	1.3

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Clean up Standard.

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
DIOXINS/FURANS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01	CDE-FPW-09	CDE-MW01A	CDE-MW03
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01	FPW-09	MW-01A	MW-03
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft	300-310 ft	24-49 ft	17-32 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/12/2010	7/12/2010	7/12/2010
2,3,7,8-TCDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-TCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	69	15
1,2,3,7,8-PeCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-PeCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-HxCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-HxCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OCDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Tetra-Dioxins	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Hexa-Dioxins	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Hepta-Dioxins	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Tetra-Furans	ND	ND	ND	ND	ND	ND	ND	ND	ND	570	610
Total Penta-Furans	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	ND
Total Hexa-Furans	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Hepta-Furans	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = non-detect

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
DIOXINS/FURANS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW25-01	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04	CDE-MW15D-01	CDE-MW16-07
Sample Location	DUP of MW-03	MW-05	MW-08	MW-11	MW-12	MW-13-07	MW-14D-03	MW-14S-04	MW-15D-01	MW-16-07
Sample Depth	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft	230-240 ft	199-209 ft	65-70 ft	125-135 ft	195-205 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/12/2010	7/14/2010	7/14/2010	7/14/2010	7/13/2010	7/14/2010	7/13/2010	7/13/2010	7/13/2010	7/12/2010
2,3,7,8-TCDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-TCDF	14	ND	ND	120	24	ND	ND	4000	ND	ND
1,2,3,7,8-PeCDF	ND	ND	ND	ND	ND	ND	ND	2000	ND	ND
2,3,4,7,8-PeCDF	ND	ND	ND	120	ND	ND	ND	5200	ND	ND
1,2,3,4,7,8-HxCDF	ND	ND	ND	480	ND	ND	ND	29000	ND	ND
1,2,3,6,7,8-HxCDF	ND	ND	ND	200	ND	ND	ND	13000	ND	ND
2,3,4,6,7,8-HxCDF	ND	ND	ND	ND	ND	ND	ND	2200	ND	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND	ND	ND	240	ND	ND
1,2,3,4,6,7,8-HpCDF	ND	ND	ND	200	72	ND	ND	10000	ND	ND
1,2,3,4,6,7,8-HpCDD	ND	ND	ND	ND	180	ND	ND	130	ND	ND
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	140	ND	ND	ND	7600	ND	ND
OCDD	ND	ND	ND	ND	2300	ND	ND	310	ND	ND
OCDF	ND	ND	ND	200	260	ND	ND	11000	ND	ND
Total Tetra-Dioxins	ND	ND	ND	ND	ND	ND	ND	65	ND	ND
Total Hexa-Dioxins	ND	ND	ND	ND	ND	ND	ND	220	ND	ND
Total Hepta-Dioxins	ND	ND	ND	ND	630	ND	ND	290	ND	ND
Total Tetra-Furans	400	13	ND	1800 Y	390	ND	ND	37000	ND	ND
Total Penta-Furans	54	59	ND	1100	280	ND	ND	48000	ND	ND
Total Hexa-Furans	ND	ND	ND	1200	ND	ND	ND	81000	ND	ND
Total Hepta-Furans	ND	ND	ND	450	230	ND	ND	27000	ND	ND

Notes:
ND = non-detect

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
DIOXINS/FURANS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW17-02	CDE-MW19-02	CDE-MW25-05	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-17-02	MW-19-02	DUP of MW-19-02	MW-20-02	MW-22-01
Sample Depth	205-215 ft	132-142 ft	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/14/2010	7/13/210	7/13/210	7/12/2010	7/12/2010
2,3,7,8-TCDD	ND	ND	22	ND	ND
2,3,7,8-TCDF	ND	ND	ND	ND	ND
1,2,3,7,8-PeCDF	ND	ND	ND	ND	ND
2,3,4,7,8-PeCDF	ND	ND	ND	ND	ND
1,2,3,4,7,8-HxCDF	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDF	ND	ND	ND	ND	ND
2,3,4,6,7,8-HxCDF	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDF	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDD	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	ND	ND
OCDD	ND	ND	ND	ND	ND
OCDF	ND	ND	ND	ND	ND
Total Tetra-Dioxins	ND	ND	22	ND	ND
Total Hexa-Dioxins	ND	ND	ND	ND	ND
Total Hepta-Dioxins	ND	ND	ND	ND	ND
Total Tetra-Furans	ND	ND	ND	ND	ND
Total Penta-Furans	ND	ND	ND	ND	ND
Total Hexa-Furans	ND	ND	ND	ND	ND
Total Hepta-Furans	ND	ND	ND	ND	ND

Notes:

ND = non-detect

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01	CDE-FPW-09	CDE-MW01A
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01	FPW-09	MW-01A
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft	300-310 ft	24-49 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/12/2010	7/12/2010
PCB-1	34	26000	250	ND	ND	390	ND	19000 J	ND	5500
PCB-2	ND	ND	ND	ND	ND	ND	ND	29 J	ND	1500
PCB-3	ND	ND	25	ND	ND	50	ND	44 J	ND	2100
PCB-4	ND	110000	2200	ND	ND	1100	2200 J	82000 J	1900 J	60000
PCB-5	ND	620	ND	ND	ND	ND	ND	640 J	ND	410
PCB-6	ND	8000	210	ND	ND	130	210	5400 J	200 J	4800
PCB-7	ND	860	25	ND	ND	ND	ND	500 J	ND	600
PCB-8	ND	25000	880	ND	ND	520	840	18000 J	ND	15000
PCB-9	ND	2500	75	ND	ND	37	ND	940 J	67 J	1300
PCB-10	ND	9300	R	36 J	ND	R	35	2500 J	450 J	R
PCB-11	ND	ND	ND	ND	ND	ND	R	130 J	R	810
PCB-12/13	ND	ND	ND	ND	ND	ND	ND	150 J	ND	2700
PCB-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	29
PCB-15	40	5700	450	ND	ND	87	230	1100 J	550 J	7400
PCB-16	55	14000	600	ND	ND	190	1100	3500 J	ND	11000
PCB-17	50	9900	810	ND	ND	160	950	2700 J	660 J	12000
PCB-18/30	110	31000	1800	ND	ND	380	2200	8200 J	1400 J	27000
PCB-19	59	34000	1400	230 J	ND	140	670	5700 J	2500 J	53000
PCB-20/28	110	12000	1100	ND	ND	210	670	1200 J	790 J	22000
PCB-21/33	65	7900	670	ND	ND	150	460	620 J	ND	7400
PCB-22	47	5700	520	ND	ND	92	310	570 J	340 J	8600
PCB-23	ND	ND	ND	ND	ND	ND	ND	ND	ND	42
PCB-24	ND	R	48	ND	ND	ND	27	110 J	66 J	1800
PCB-25	ND	1000	88	49 J	ND	ND	60	R	67 J	2200
PCB-26/29	ND	2800	240	180 J	ND	49	170	370 J	210 J	5700
PCB-27	ND	3200	190	100 J	ND	26	150	590 J	310 J	6000
PCB-31	93	12000	990	ND	ND	190	720	1300 J	600 J	16000
PCB-32	45	13000	R	ND	ND	93	540	1800 J	1200 J	21000
PCB-34	ND	ND	ND	ND	ND	ND	ND	ND	ND	120
PCB-35	ND	ND	ND	ND	ND	ND	ND	ND	ND	1700
PCB-36	ND	ND	ND	ND	ND	ND	ND	ND	ND	61
PCB-37	35	2500	190	140 J	ND	55	ND	ND	ND	6200
PCB-38	ND	ND	ND	ND	ND	ND	ND	ND	ND	29
PCB-39	ND	ND	ND	ND	ND	ND	ND	ND	ND	160
PCB-40/41/71	ND	5000	510	220 J	ND	90	320	180 J	100 J	11000

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01	CDE-FPW-09	CDE-MW01A
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01	FPW-09	MW-01A
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft	300-310 ft	24-49 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/12/2010	7/12/2010
PCB-42	ND	1900	200	ND	ND	33	130	84 J	47 J	4400
PCB-43	ND	ND	34	ND	ND	ND	ND	ND	ND	630
PCB-44/47/65	100	14000	1500	670 J	ND	230	1000	530 J	ND	30000
PCB-45/51	ND	2900	230	65 J	ND	ND	190	170 J	110 J	5400
PCB-46	ND	1100	88	29 J	ND	ND	73	61 J	36 J	2200
PCB-48	ND	2000	150	65 J	ND	29	120	61 J	38 J	3200
PCB-49/69	56	7000	700	400 J	ND	110	470	330 J	ND	16000
PCB-50/53	ND	2900	260	110 J	ND	ND	180	180 J	130 J	6100
PCB-52	190	30000	3500	1500 J	ND	440	2200	1100 J	ND	46000
PCB-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	210
PCB-55	ND	ND	ND	R	ND	ND	ND	ND	ND	540
PCB-56	28	3900	350	300 J	ND	58	ND	ND	ND	7000
PCB-57	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
PCB-58	ND	ND	ND	ND	ND	ND	ND	ND	ND	49
PCB-59/62/75	ND	730	ND	ND	ND	ND	ND	ND	ND	1700
PCB-60	ND	1800	160	190 J	ND	28	59	48 J	ND	3000
PCB-61/70/74/76	170	22000	2000	1900 J	ND	340	ND	ND	ND	35000
PCB-63	ND	ND	ND	33 J	ND	ND	ND	ND	ND	630
PCB-64	37	4500	450	240 J	ND	73	260	160 J	ND	8800
PCB-66	56	6100	570	670 J	ND	110	ND	ND	ND	16000
PCB-67	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100
PCB-68	ND	ND	ND	ND	ND	ND	ND	ND	ND	140
PCB-72	ND	ND	ND	ND	ND	ND	ND	ND	ND	230
PCB-73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-77	ND	ND	35	60 J	ND	ND	ND	ND	ND	3000
PCB-78	ND	ND	ND	ND	ND	ND	ND	ND	ND	47
PCB-79	ND	350	24	24 J	ND	ND	ND	ND	ND	530
PCB-81	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
PCB-82	ND	3400	470	410 J	ND	48	ND	ND	ND	5300
PCB-83/99	88	16000	1500	1600 J	ND	200	ND	ND	ND	25000
PCB-84	63	8000	1200	810 J	ND	160	760	ND	ND	16000
PCB-85/116/117	ND	5100	520	550 J	ND	ND	170	130 J	ND	8200
PCB-86/87/97/109/119/125	130	22000	2600	2300 J	ND	310	ND	ND	ND	35000
PCB-88/91	ND	3300	470	340 J	ND	60	280	150 J	ND	8300
PCB-89	ND	ND	33	23 J	ND	ND	ND	ND	ND	550

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01	CDE-FPW-09	CDE-MW01A
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01	FPW-09	MW-01A
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft	300-310 ft	24-49 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/12/2010	7/12/2010
PCB-90/101/113	180	34000	3000	2900 J	ND	410	ND	ND	ND	47000
PCB-92	32	5900	540	470 J	ND	73	240	ND	ND	7900
PCB-93/95/98/100/102	200	27000	3400	2100 J	ND	450	2100	ND	ND	39000
PCB-94	ND	89	ND	ND	ND	ND	ND	ND	ND	260
PCB-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	390
PCB-103	ND	110	ND	ND	ND	ND	ND	ND	ND	260
PCB-104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-105	69	15000	1400	2000 J	ND	160	ND	ND	ND	22000
PCB-107/124	ND	1700	170	240 J	ND	ND	45	42 J	ND	2900
PCB-108	ND	1200	130	160 J	ND	ND	ND	ND	ND	1800
PCB-110/115	210	35000	4200	4000 J	ND	500	ND	ND	ND	59000
PCB-114	ND	900	70	98 J	ND	ND	ND	ND	ND	1400
PCB-118	160	31000	2900	4100 J	ND	380	ND	ND	ND	54000
PCB-120	ND	ND	ND	ND	ND	ND	ND	ND	ND	82
PCB-122	ND	320	41	46 J	ND	ND	ND	ND	ND	470
PCB-123	ND	550	47	52 J	ND	ND	ND	ND	ND	1000
PCB-126	ND	ND	ND	ND	ND	ND	ND	ND	ND	440
PCB-127	ND	100	ND	ND	ND	ND	ND	ND	ND	110
PCB-128/166	ND	6800	870	1100 J	ND	68	ND	ND	ND	13000
PCB-129/138/160/163	120	39000	3900	4600 J	ND	340	ND	ND	ND	65000
PCB-130	ND	2200	260	330 J	ND	ND	60	43 J	ND	3900
PCB-131	ND	500	80	67 J	ND	ND	ND	ND	ND	880
PCB-132	59	14000	1800	1400 J	ND	150	ND	ND	ND	27000
PCB-133	ND	310	37	43 J	ND	ND	ND	ND	ND	590
PCB-134/143	ND	1600	260	210 J	ND	ND	71	ND	ND	3200
PCB-135/151/154	ND	5400	690	470 J	ND	71	170	140 J	ND	14000
PCB-136	ND	2700	430	200 J	ND	42	130	ND	ND	5800
PCB-137	ND	2400	260	370 J	ND	25	ND	ND	ND	3100
PCB-139/140	ND	660	84	78 J	ND	ND	ND	ND	ND	1000
PCB-141	23	4500	550	730 J	ND	52	ND	ND	ND	12000
PCB-144	ND	990	110	81 J	ND	ND	28	23 J	ND	2300
PCB-145	ND	ND	ND	ND	ND	ND	ND	ND	ND	26
PCB-146	ND	3700	370	540 J	ND	41	ND	ND	ND	7900
PCB-147/149	91	19000	2500	2200 J	ND	230	ND	ND	ND	53000
PCB-148	ND	ND	ND	ND	ND	ND	ND	ND	ND	28

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01	CDE-FPW-09	CDE-MW01A
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01	FPW-09	MW-01A
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft	300-310 ft	24-49 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/12/2010	7/12/2010
PCB-150	ND	26	ND	ND	ND	ND	ND	ND	ND	44
PCB-152	ND	31	ND	ND	ND	ND	ND	ND	ND	55
PCB-153/168	79	23000	2000	2900 J	ND	220	ND	ND	ND	64000
PCB-156/157	ND	6300	630	960 J	ND	51	ND	ND	ND	10000
PCB-158	ND	3900	400	530 J	ND	41	ND	ND	ND	7500
PCB-159	ND	110	ND	ND	ND	ND	ND	ND	ND	600
PCB-162	ND	140	ND	ND	ND	ND	ND	ND	ND	210
PCB-164	ND	2000	270	260 J	ND	23	53	43 J	ND	4600
PCB-167	ND	1700	160	260 J	ND	ND	35	27 J	ND	3300
PCB-170	ND	3600	430	520 J	ND	23	ND	ND	ND	17000
PCB-171/173	ND	1100	120	150 J	ND	ND	ND	ND	ND	4700
PCB-172	ND	500	50	68 J	ND	ND	ND	ND	ND	2000
PCB-174	ND	2200	260	320 J	ND	ND	62	42 J	ND	11000
PCB-175	ND	100	ND	ND	ND	ND	ND	ND	ND	400
PCB-176	ND	290	38	31 J	ND	ND	ND	ND	ND	1200
PCB-177	ND	1400	150	190 J	ND	ND	33	24 J	ND	6700
PCB-178	ND	350	34	43 J	ND	ND	ND	ND	ND	1500
PCB-179	ND	620	87	68 J	ND	ND	ND	ND	ND	3100
PCB-180/193	ND	5200	490	690 J	ND	ND	110	96 J	ND	32000
PCB-181	ND	98	ND	ND	ND	ND	ND	ND	ND	130
PCB-182	ND	27	ND	ND	ND	ND	ND	ND	ND	59
PCB-183/185	ND	1700	140	220 J	ND	ND	ND	ND	ND	8500
PCB-184	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-186	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-187	ND	2700	200	260 J	ND	ND	52	37 J	ND	15000
PCB-188	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-189	ND	220	ND	ND	ND	ND	ND	ND	ND	740
PCB-190	ND	630	62	69 J	ND	ND	ND	ND	ND	2700
PCB-191	ND	130	ND	ND	ND	ND	ND	ND	ND	570
PCB-194	ND	610	85	91 J	ND	ND	28	23 J	ND	4500
PCB-195	ND	240	32	40 J	ND	ND	ND	ND	ND	2000
PCB-196	ND	280	R	29 J	ND	ND	ND	ND	ND	2500
PCB-197/200	ND	100	ND	ND	ND	ND	ND	ND	ND	730
PCB-198/199	ND	550	73	55 J	ND	ND	ND	ND	ND	3100
PCB-201	ND	70	ND	ND	ND	ND	ND	ND	ND	340

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-ERT1-03	CDE-ERT2-01	CDE-ERT2-05	CDE-ERT4-04	CDE-ERT6-02	CDE-ERT7-03	CDE-ERT8-05	CDE-FPW-01	CDE-FPW-09	CDE-MW01A
Sample Location	ERT-1-03	ERT-2-01	ERT-2-05	ERT-4-04	ERT-6-02	ERT-7-03	ERT-8-05	FPW-01	FPW-09	MW-01A
Sample Depth	46-56 ft	25-35 ft	97-107 ft	83-88 ft	75-85 ft	65-75 ft	87-97 ft	31-41 ft	300-310 ft	24-49 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/13/2010	7/14/2010	7/14/2010	7/12/2010	7/12/2010	7/12/2010
PCB-202	ND	92	ND	ND	ND	ND	ND	ND	ND	440
PCB-203	ND	390	42	38 J	ND	ND	ND	ND	ND	2600
PCB-205	ND	37	ND	ND	ND	ND	ND	ND	ND	270
PCB-206	ND	230	37	26 J	ND	ND	ND	ND	ND	720
PCB-207	ND	27	ND	ND	ND	ND	ND	ND	ND	110
PCB-208	ND	62	ND	ND	ND	ND	ND	ND	ND	110
PCB-209	ND	32	ND	ND	ND	ND	ND	ND	ND	40
Total PCBs (Congeners)	2884	*	*	*	ND	*	*	*	*	*

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW03	CDE-MW25-01	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04
Sample Location	MW-03	DUP of MW-03	MW-05	MW-08	MW-11	MW-12	MW-13-07	MW-14D-03	MW-14S-04
Sample Depth	17-32 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft	230-240 ft	199-209 ft	65-70 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/12/2010	7/12/2010	7/14/2010	7/14/2010	7/14/2010	7/13/2010	7/14/2010	7/13/2010	7/13/2010
PCB-1	860000	860000	24000	43000	1000000	3400000	ND	ND	21000000
PCB-2	1700	1500	ND	520	42000	140000	ND	ND	1500000
PCB-3	42000	41000	ND	2800	250000	580000	ND	ND	8700000
PCB-4	2500000	2600000	220000	2500000 J	6100000	19000000	11000 J	99000 J	380000000 J
PCB-5	17000	16000	1300	ND	66000	310000	ND	R	4200000
PCB-6	210000	210000	31000	350000	1200000	3400000	490	7400	130000000
PCB-7	23000	22000	2400	9200	96000	330000	ND	ND	8100000
PCB-8	1000000	810000	140000	1700000	6400000	7200000	2300	9200	690000000
PCB-9	58000	57000	7800	42000	290000	920000	52	4400	23000000
PCB-10	78000	79000	12000	44000	100000	640000	290	7700	5400000
PCB-11	ND	770	ND	17000	ND	15000	43	ND	15000000
PCB-12/13	7800	7100	6900	12000	130000	460000	ND	850	12000000
PCB-14	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-15	57000	50000	27000	220000	1900000	6400000	370	25000	200000000
PCB-16	180000	180000	50000	790000	6400000	12000000	1200	83000	640000000
PCB-17	130000	130000	51000	650000	5700000	8300000	990	83000	660000000
PCB-18/30	380000	370000	110000	1700000	13000000	17000000	2400	190000	1400000000
PCB-19	230000	200000	95000	390000	1700000	4000000	1900	69000	190000000
PCB-20/28	63000	56000	89000	510000	11000000	13000000	1200	81000	1600000000
PCB-21/33	38000	34000	28000	460000	7400000	7800000	840	18000	1000000000
PCB-22	26000	25000	37000	260000	4500000	6900000	570	27000	630000000
PCB-23	ND	ND	ND	ND	13000	15000	ND	ND	1300000
PCB-24	5900	5100	4800	14000	94000	260000	32	6000	11000000
PCB-25	7100	6700	9700	36000	700000	770000	100	4200	120000000
PCB-26/29	20000	19000	21000	120000	2100000	2300000	250	18000	270000000
PCB-27	26000	26000	30000	89000	520000	1300000	380	24000	62000000
PCB-31	67000	60000	55000	530000	9600000	12000000	1100	54000	1400000000
PCB-32	83000	79000	97000	370000	3200000	4800000	850	86000	400000000
PCB-34	ND	ND	ND	1500	31000	33000	ND	ND	3400000
PCB-35	830	ND	ND	1600	98000	110000	ND	ND	11000000
PCB-36	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-37	5500	3800	10000	59000	2500000	3500000	360	11000	330000000
PCB-38	ND	ND	ND	ND	3700	ND	ND	ND	R
PCB-39	ND	ND	ND	ND	40000	30000	ND	ND	5400000
PCB-40/41/71	13000	11000	51000	64000	2600000	4700000	690	35000	570000000

R2-0002639

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW03	CDE-MW25-01	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04
Sample Location	MW-03	DUP of MW-03	MW-05	MW-08	MW-11	MW-12	MW-13-07	MW-14D-03	MW-14S-04
Sample Depth	17-32 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft	230-240 ft	199-209 ft	65-70 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/12/2010	7/12/2010	7/14/2010	7/14/2010	7/14/2010	7/13/2010	7/14/2010	7/13/2010	7/13/2010
PCB-42	7000	5600	27000	22000	1300000	1600000	270	13000	250000000
PCB-43	990	870	1700	5100	ND	280000	54	3500	ND
PCB-44/47/65	47000	40000	160000	120000	7400000	8800000	1900	110000	1800000000
PCB-45/51	10000	8800	32000	52000	1200000	2500000	240	22000	210000000
PCB-46	4200	3600	12000	18000	430000	940000	100	8400	48000000
PCB-48	4000	3100	5500	25000	ND	1300000	210	10000	230000000
PCB-49/69	34000	27000	88000	53000	3900000	3400000	890	49000	960000000
PCB-50/53	15000	12000	31000	40000	970000	1700000	280	23000	200000000
PCB-52	110000	93000	310000	190000	ND	12000000	3700	260000	4000000000
PCB-54	630	560	1200	2100	20000	35000	25	460	2400000
PCB-55	360	280	930	ND	R	92000	ND	ND	19000000
PCB-56	6700	5500	29000	26000	1900000	2200000	730	15000	520000000
PCB-57	180	150	ND	ND	17000	9100	ND	ND	ND
PCB-58	54	47	ND	ND	ND	6700	ND	ND	ND
PCB-59/62/75	2000	1600	9200	10000	400000	570000	95	6000	64000000
PCB-60	2500	2100	11000	12000	1700000	1100000	350	6200	280000000
PCB-61/70/74/76	42000	33000	130000	90000	13000000	7300000	4500	57000	3900000000
PCB-63	640	500	2000	1400	250000	100000	47	860	38000000
PCB-64	16000	13000	46000	35000	2500000	3000000	610	30000	580000000
PCB-66	17000	13000	52000	34000	4200000	2900000	1400	29000	1200000000
PCB-67	990	790	1700	1300	170000	90000	30	580	27000000
PCB-68	160	120	ND	ND	8600	ND	ND	ND	700000
PCB-72	320	260	ND	ND	18000	7700	ND	ND	2300000
PCB-73	ND	ND	ND	ND	140000	ND	37	ND	20000000
PCB-77	1400	1100	1600	1300	380000	210000	76	900	61000000
PCB-78	34	ND	ND	ND	ND	ND	ND	ND	ND
PCB-79	590	460	2900	R	190000	24000	65	1700	36000000
PCB-81	57	55	ND	ND	17000	8400	ND	ND	R
PCB-82	5000	4300	36000	3800	2300000	560000	740	9000	410000000
PCB-83/99	24000	21000	140000	15000	10000000	1400000	2900	33000	2000000000
PCB-84	20000	17000	110000	17000	6100000	2500000	2000	46000	1100000000
PCB-85/116/117	7600	6200	48000	3800	3200000	440000	940	9700	620000000
PCB-86/87/97/109/119/125	35000	30000	240000	26000	15000000	2700000	4400	55000	2700000000
PCB-88/91	9200	7400	42000	5200	2700000	700000	780	15000	510000000
PCB-89	510	460	2700	420	140000	64000	53	980	26000000

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW03	CDE-MW25-01	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04
Sample Location	MW-03	DUP of MW-03	MW-05	MW-08	MW-11	MW-12	MW-13-07	MW-14D-03	MW-14S-04
Sample Depth	17-32 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft	230-240 ft	199-209 ft	65-70 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/12/2010	7/12/2010	7/14/2010	7/14/2010	7/14/2010	7/13/2010	7/14/2010	7/13/2010	7/13/2010
PCB-90/101/113	46000	37000	320000	30000	20000000	3200000	5900	77000	4000000000
PCB-92	8800	7700	58000	5400	3200000	560000	1000	15000	620000000
PCB-93/95/98/100/102	52000	39000	320000	47000	18000000	6400000	5000	130000	3400000000
PCB-94	290	240	1300	170	58000	22000	ND	460	11000000
PCB-96	450	390	1500	410	83000	58000	ND	930	11000000
PCB-103	290	250	1300	150	66000	16000	ND	390	12000000
PCB-104	ND	ND	ND	ND	1100	ND	ND	ND	R
PCB-105	23000	20000	92000	6400	5300000	670000	2400	16000	1600000000
PCB-107/124	2700	2300	15000	1100	1200000	110000	330	2200	210000000
PCB-108	1700	1400	11000	710	820000	67000	230	1500	140000000
PCB-110/115	57000	48000	380000	37000	23000000	4800000	7200	91000	4500000000
PCB-114	1200	1000	5300	340	490000	36000	130	590	92000000
PCB-118	44000	38000	240000	15000	13000000	1700000	5400	34000	3900000000
PCB-120	58	51	ND	ND	2500	ND	ND	ND	R
PCB-122	440	400	2700	270	190000 J	23000	R	R	32000000
PCB-123	830	650	3500	180	290000	18000	78	550	49000000
PCB-126	150	130	ND	ND	ND	ND	ND	ND	ND
PCB-127	110	97	ND	ND	42000	ND	ND	ND	5600000
PCB-128/166	8900	7300	49000	2400	3600000	160000	1100	5500	1400000000
PCB-129/138/160/163	53000	42000	250000	12000	14000000	850000	5000	27000	7300000000
PCB-130	2800	2300	18000	800	1200000	52000	370	1800	260000000
PCB-131	680	580	4700	240	240000	19000	97	580	68000000
PCB-132	17000	14000	97000	5700	5400000	550000	1900	14000	2700000000
PCB-133	410	340	2500	120	130000	7100	49	280	35000000
PCB-134/143	2400	1900	16000	990	810000	73000	310	2300	210000000
PCB-135/151/154	8200	6700	47000	3100	2500000	250000	720	7800	1500000000
PCB-136	4200	3500	27000	ND	1300000	220000	370	5300	370000000
PCB-137	2600	2300	19000	800	1600000	40000	400	1700	490000000
PCB-139/140	820	710	5800	250	310000	17000	120	620	88000000
PCB-141	5900	4800	38000	1800	2800000	110000	830	4400	1100000000
PCB-144	1200	1100	8500	520	440000	36000	120	1200	86000000
PCB-145	ND	ND	ND	ND	6900	660	ND	ND	1200000
PCB-146	4900	4100	24000	1200	1500000	100000	620	2800	710000000
PCB-147/149	29000	23000	150000	9800	8400000	730000	3300	22000	4300000000
PCB-148	ND	ND	ND	ND	5600	540	ND	ND	1100000

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW03	CDE-MW25-01	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04
Sample Location	MW-03	DUP of MW-03	MW-05	MW-08	MW-11	MW-12	MW-13-07	MW-14D-03	MW-14S-04
Sample Depth	17-32 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft	230-240 ft	199-209 ft	65-70 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/12/2010	7/12/2010	7/14/2010	7/14/2010	7/14/2010	7/13/2010	7/14/2010	7/13/2010	7/13/2010
PCB-150	35	R	ND	ND	11000	960	ND	ND	R
PCB-152	50	44	ND	ND	12000	1900	ND	ND	1900000
PCB-153/168	30000	24000	140000	6500	8200000	450000	3400	16000	4600000000
PCB-156/157	7200	6200	39000	1800	2700000	73000	840	2900	890000000
PCB-158	4700	3900	28000	1200	2000000	77000	580	2800	770000000
PCB-159	160	130	ND	ND	40000	1100	ND	ND	9300000
PCB-162	150	130	900	ND	49000	1500	ND	ND	15000000
PCB-164	2800	2200	16000	810	1100000	56000	310	2000	410000000
PCB-167	2000	1800	11000	480	790000	21000	240	830	260000000
PCB-170	4000	3500	20000	810	1400000	29000	470	1700	330000000
PCB-171/173	1400	1100	6800	250	390000	9200	140	590	95000000
PCB-172	590	450	2900	ND	160000	4000	59	230	40000000
PCB-174	2700	2200	13000	530	920000	23000	300	1400	220000000
PCB-175	130	110	700	ND	39000	980	ND	ND	9000000
PCB-176	350	270	1800	ND	120000	3200	37	170	26000000
PCB-177	1900	1400	8100	300	390000	13000	170	710	120000000
PCB-178	440	320	1900	ND	120000	3400	39	190	28000000
PCB-179	840	670	3900	180	240000	8100	84	460	61000000
PCB-180/193	6400	4800	26000	1000	1800000	39000	590	2300	420000000 J
PCB-181	97	68	ND	ND	32000	670	ND	ND	7700000
PCB-182	29	ND	ND	ND	8900	ND	ND	ND	1900000
PCB-183/185	2000	1600	9000	370	640000	15000	210	870	140000000
PCB-184	ND	ND	ND	ND	910	ND	ND	ND	220000
PCB-186	ND	ND	ND	ND	ND	ND	ND	ND	180000
PCB-187	3700	2700	11000	490	790000	27000	240	1200	200000000
PCB-188	ND	ND	ND	ND	950	ND	ND	ND	240000
PCB-189	210	170	1000	ND	59000	1300	ND	ND	14000000
PCB-190	690	530	3500	140	210000	4900	64	250	45000000
PCB-191	150	120	800	ND	44000	1100	ND	ND	11000000
PCB-194	650	580	1800	160	230000	4600	110	280	66000000
PCB-195	280	240	790	ND	92000	1600	45	R	26000000
PCB-196	340	280	R	ND	79000	2000	29	140	16000000
PCB-197/200	110	91	ND	ND	23000	ND	ND	ND	5100000
PCB-198/199	480	460	2300	ND	160000	3500	54	270	30000000
PCB-201	67	57	ND	ND	17000	ND	ND	ND	3600000

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TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW03	CDE-MW25-01	CDE-MW05	CDE-MW08	CDE-MW11	CDE-MW12	CDE-MW13-07	CDE-MW-14D-03	CDE-MW-14S-04
Sample Location	MW-03	DUP of MW-03	MW-05	MW-08	MW-11	MW-12	MW-13-07	MW-14D-03	MW-14S-04
Sample Depth	17-32 ft	17-32 ft	25-45.5 ft	42-57.5 ft	34-59 ft	35-60 ft	230-240 ft	199-209 ft	65-70 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/12/2010	7/12/2010	7/14/2010	7/14/2010	7/14/2010	7/13/2010	7/14/2010	7/13/2010	7/13/2010
PCB-202	96	76	ND	ND	37000	590	ND	ND	8700000
PCB-203	390	330	1600	ND	110000	2500	38	170	22000000
PCB-205	45	35	ND	ND	9600	ND	ND	ND	2500000
PCB-206	190	150	2600	ND	68000	1500	35	ND	19000000
PCB-207	23	ND	ND	ND	8100	ND	ND	ND	2100000
PCB-208	44	35	1000	ND	18000	ND	ND	ND	5000000
PCB-209	29	ND	730	ND	9200	ND	ND	ND	2300000
Total PCBs (Congeners)	7011438	*	*	*	*	221926800	*	*	*

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW19-02	CDE-MW25-05	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-15D-01	MW-16-07	MW-17-02	MW-19-02	DUP of MW-19-02	MW-20-02	MW-22-01
Sample Depth	125-135 ft	195-205 ft	205-215 ft	132-142 ft	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/12/2010	7/14/2010	7/13/210	7/13/210	7/12/2010	7/12/2010
PCB-1	ND	31000	370	360	400	ND	900
PCB-2	ND	ND	ND	27	32	ND	45
PCB-3	ND	170	83	110	140	ND	220
PCB-4	1600 J	220000	1500	11000 J	11000 J	ND	3600
PCB-5	ND	390	ND	140	160	ND	73
PCB-6	290 J	6900	190	3100	3100	ND	710
PCB-7	ND	550	ND	220	230	ND	100
PCB-8	1100 J	33000	790	16000	16000	ND	3000
PCB-9	49 J	2000	69	650	700	ND	210
PCB-10	1600 J	5000	2000	220	230	ND	R
PCB-11	130	40	ND	380	390	25 J	ND
PCB-12/13	150	110	ND	170	210	ND	80
PCB-14	ND	ND	ND	ND	ND	ND	ND
PCB-15	3300	1900	1600	3200	3200	300 J	630
PCB-16	810	13000	500	11000	10000	580 J	880
PCB-17	2200	11000	1500	9700	9600	550 J	800
PCB-18/30	2200	33000	2000	23000	23000	1100 J	1800
PCB-19	16000	23000	12000	4900	4800	ND	470
PCB-20/28	13000	3400	3100	11000	12000	2200 J	960
PCB-21/33	1400	1300	390	9200	9800	1500 J	580
PCB-22	5100	1200	1300	5900	6300	1000 J	390
PCB-23	ND	ND	ND	ND	ND	ND	ND
PCB-24	610	370	390	300	360	ND	33
PCB-25	500	260	170	970	1000	160 J	76
PCB-26/29	1500	740	460	2800	3000	400 J	210
PCB-27	1600	2600	1200	1700	1600	96 J	120
PCB-31	4200	3000	1600	11000	12000	1900 J	890
PCB-32	11000	7500	6500	6000	6300	440 J	420
PCB-34	ND	ND	ND	ND	ND	ND	ND
PCB-35	40	ND	ND	ND	ND	27 J	ND
PCB-36	ND	ND	ND	ND	ND	ND	ND
PCB-37	1600	180	210	1500	1800	660 J	210
PCB-38	ND	ND	ND	ND	ND	ND	ND
PCB-39	ND	ND	ND	ND	ND	ND	ND
PCB-40/41/71	1600	600	750	3700	3900	870 J	190

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW19-02	CDE-MW25-05	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-15D-01	MW-16-07	MW-17-02	MW-19-02	DUP of MW-19-02	MW-20-02	MW-22-01
Sample Depth	125-135 ft	195-205 ft	205-215 ft	132-142 ft	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/12/2010	7/14/2010	7/13/210	7/13/210	7/12/2010	7/12/2010
PCB-42	670	250	320	1300	1400	340 J	82
PCB-43	90	57	ND	430	350	72 J	ND
PCB-44/47/65	2900	2000	2100	12000	13000	2400 J	420
PCB-45/51	1200	970	930	1800	1900	220 J	110
PCB-46	420	400	320	690	690	78 J	43
PCB-48	380	230	150	1400	1400	310 J	69
PCB-49/69	1500	1100	1000	5000	5400	1200 J	220
PCB-50/53	1100	1600	1200	1800	1900	200 J	98
PCB-52	4200	5600	4500	26000	29000	4900 J	700
PCB-54	63	140	37	51	48	ND	ND
PCB-55	ND	ND	ND	ND	ND	ND	ND
PCB-56	600	110	220	2100	2500	1200 J	130
PCB-57	ND	ND	ND	ND	ND	ND	ND
PCB-58	ND	ND	ND	ND	ND	ND	ND
PCB-59/62/75	320	83	130	540	590	120 J	ND
PCB-60	300	55	95	840	1100	640 J	70
PCB-61/70/74/76	2700	780	1200	13000	16000	7800 J	580
PCB-63	42	ND	ND	130	170	90 J	ND
PCB-64	1200	420	620	3100	3400	800 J	140
PCB-66	1100	270	380	3400	4100	2500 J	210
PCB-67	35	ND	ND	91	120	56 J	ND
PCB-68	ND	ND	ND	ND	ND	ND	ND
PCB-72	ND	ND	ND	ND	ND	ND	ND
PCB-73	ND	ND	ND	ND	ND	ND	ND
PCB-77	43	ND	22	110	150	130 J	24
PCB-78	ND	ND	ND	ND	ND	ND	ND
PCB-79	98	ND	ND	R	R	R	ND
PCB-81	ND	ND	ND	ND	ND	ND	ND
PCB-82	260	46	150	1500	1800	1100 J	110
PCB-83/99	1300	270	590	6700	8400	6000 J	330
PCB-84	610	330	590	7000	7300	2400 J	230
PCB-85/116/117	360	74	200	1800	2300	1700 J	130
PCB-86/87/97/109/119/125	1800	370	940	11000	13000	7700 J	570
PCB-88/91	270	140	240	2400	2600	1000 J	86
PCB-89	ND	ND	ND	150	160	61 J	ND

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW19-02	CDE-MW25-05	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-15D-01	MW-16-07	MW-17-02	MW-19-02	DUP of MW-19-02	MW-20-02	MW-22-01
Sample Depth	125-135 ft	195-205 ft	205-215 ft	132-142 ft	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/12/2010	7/14/2010	7/13/210	7/13/210	7/12/2010	7/12/2010
PCB-90/101/113	2000	600	1300	13000	15000	8600 J	650
PCB-92	300	120	250	2400	2800	1400 J	110
PCB-93/95/98/100/102	2000	1400	1900	20000	21000	6100 J	550
PCB-94	ND	ND	ND	70	74	22 J	ND
PCB-96	ND	ND	ND	130	130	28 J	ND
PCB-103	ND	ND	ND	68	74	27 J	ND
PCB-104	ND	ND	ND	ND	ND	ND	ND
PCB-105	760	140	570	2400	3600	4200 J	350
PCB-107/124	120	ND	58	390	590	640 J	41
PCB-108	75	ND	ND	290	410	450 J	ND
PCB-110/115	2500	540	1500	18000	21000	12000 J	920
PCB-114	R	ND	28	110	180	240 J	ND
PCB-118	1800	380	1200	5000	8100	10000 J	760
PCB-120	ND	ND	ND	ND	ND	ND	ND
PCB-122	ND	ND	ND	R	130	130 J	ND
PCB-123	25	ND	ND	64	110	150 J	ND
PCB-126	ND	ND	ND	ND	ND	ND	ND
PCB-127	ND	ND	ND	ND	ND	25 J	ND
PCB-128/166	310	52	240	800	1300	1900 J	150
PCB-129/138/160/163	1600	280	1100	4400	7200	9700 J	660
PCB-130	110	ND	81	320	520	640 J	46
PCB-131	31	ND	ND	130	170	170 J	ND
PCB-132	700	110	480	3000	4200	3700 J	290
PCB-133	ND	ND	ND	55	80	92 J	ND
PCB-134/143	120	ND	70	550	750	600 J	ND
PCB-135/151/154	420	76	230	1900	2500	1800 J	130
PCB-136	260	48	140	1700	2100	1100 J	67
PCB-137	110	ND	82	280	480	720 J	51
PCB-139/140	ND	ND	ND	120	190	220 J	ND
PCB-141	250	44	170	740	1100	1300 J	100
PCB-144	71	ND	38	270	390	330 J	ND
PCB-145	ND	ND	ND	ND	ND	ND	ND
PCB-146	220	36	140	570	840	1000 J	70
PCB-147/149	1200	220	730	5500	7400	6000 J	420
PCB-148	ND	ND	ND	ND	ND	ND	ND

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW19-02	CDE-MW25-05	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-15D-01	MW-16-07	MW-17-02	MW-19-02	DUP of MW-19-02	MW-20-02	MW-22-01
Sample Depth	125-135 ft	195-205 ft	205-215 ft	132-142 ft	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/12/2010	7/14/2010	7/13/210	7/13/210	7/12/2010	7/12/2010
PCB-150	ND	ND	ND	ND	ND	ND	ND
PCB-152	ND	ND	ND	ND	ND	ND	ND
PCB-153/168	1100	200	650	2600	4200	5800 J	400
PCB-156/157	240	42	190	370	800	1400 J	110
PCB-158	180	30	130	470	780	1000 J	73
PCB-159	ND	ND	ND	ND	ND	27 J	ND
PCB-162	ND	ND	ND	ND	ND	R	ND
PCB-164	110	ND	82	390	570	570 J	44
PCB-167	69	ND	51	120	230	410 J	32
PCB-170	130	38	130	150	300	640 J	R
PCB-171/173	ND	ND	ND	59	110	210 J	ND
PCB-172	ND	ND	ND	ND	48	88 J	ND
PCB-174	86	31	86	180	300	450 J	42
PCB-175	ND	ND	ND	ND	ND	ND	ND
PCB-176	ND	ND	ND	27	44	64 J	ND
PCB-177	45	ND	51	82	140	250 J	25
PCB-178	ND	ND	ND	27	44	63 J	ND
PCB-179	31	ND	26	78	110	150 J	ND
PCB-180/193	170	67	160	220	430	870 J	94
PCB-181	ND	ND	ND	ND	ND	ND	ND
PCB-182	ND	ND	ND	ND	ND	ND	ND
PCB-183/185	62	ND	58	100	190	330 J	ND
PCB-184	ND	ND	ND	ND	ND	ND	ND
PCB-186	ND	ND	ND	ND	ND	ND	ND
PCB-187	R	39	110	150	R	380 J	39
PCB-188	ND	ND	ND	ND	ND	ND	ND
PCB-189	ND	ND	ND	ND	ND	32 J	ND
PCB-190	ND	ND	ND	25	51	99 J	ND
PCB-191	ND	ND	ND	ND	ND	24 J	ND
PCB-194	R	ND	23	ND	54	130 J	ND
PCB-195	ND	ND	ND	ND	ND	48 J	ND
PCB-196	ND	ND	ND	ND	ND	49 J	ND
PCB-197/200	ND	ND	ND	ND	ND	ND	ND
PCB-198/199	ND	ND	ND	ND	49	99 J	ND
PCB-201	ND	ND	ND	ND	ND	ND	ND

TABLE 5-8
OU3 GROUNDWATER DETECTIONS- JULY 2010
PCB CONGENERS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	CDE-MW15D-01	CDE-MW16-07	CDE-MW17-02	CDE-MW19-02	CDE-MW25-05	CPE-MW20-02	CDE-MW22-01
Sample Location	MW-15D-01	MW-16-07	MW-17-02	MW-19-02	DUP of MW-19-02	MW-20-02	MW-22-01
Sample Depth	125-135 ft	195-205 ft	205-215 ft	132-142 ft	132-142 ft	85-95 ft	45-55 ft
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Sample Date	7/13/2010	7/12/2010	7/14/2010	7/13/210	7/13/210	7/12/2010	7/12/2010
PCB-202	ND	ND	ND	ND	ND	26 J	ND
PCB-203	ND	ND	ND	ND	30	70 J	ND
PCB-205	ND	ND	ND	ND	ND	ND	ND
PCB-206	ND	ND	ND	ND	ND	47 J	ND
PCB-207	ND	ND	ND	ND	ND	ND	ND
PCB-208	ND	ND	ND	ND	ND	ND	ND
PCB-209	ND	ND	ND	ND	ND	ND	ND
Total PCBs (Congeners)	*	421998	66660	*	*	*	*

Notes:

ND = non-detect

R = rejected

* = PCB detected but total could not be calculated due to rejected data

TABLE 5-9
OU3 GROUNDWATER DETECTIONS- DECEMBER 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW-23-01-122010	CDE-MW-23-02-122010	CDE-MW-23-03-122010	CDE-MW-23-04-122010	CDE-MW-23-05-122010
LOCATION (WELL ID)		MW-23-01	MW-23-02	MW-23-03	MW-23-04	MW-23-05
DEPTH (FT)		60-70	120-130	170-180	226-236	258-268
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		12/20/2010	12/20/2010	12/20/2010	12/20/2010	12/20/2010
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	0.11 J	0.12 J
1,1-Dichloroethene	1	ND	ND	ND	0.57	0.84
Acetone	6000	8.3	ND	6.5	ND	ND
Bromodichloromethane	1	ND	ND	ND	ND	ND
Chloroform	70	ND	ND	ND	ND	0.59
cis-1,2-Dichloroethene	70	0.49 J	4.2	5	9.3	12
Methyl tert-butyl ether	70	0.1 J	0.15 J	0.46 J	0.35 J	0.21 J
Tetrachloroethene	1	ND	ND	ND	0.55	0.49 J
Toluene	600	8.5	11	5.1	8.6	5.2
Trichloroethene	1	3.8	25	21	37	53

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-9
OU3 GROUNDWATER DETECTIONS- DECEMBER 2010
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW-23-06-122010	CDE-MW-23-07-122010	CDE-MW-23-08-122010	CDE-MW-23-10-122010	CDE-MW-23-09-122010
LOCATION (WELL ID)		MW-23-06	MW-23-07	MW-23-08	DUP of MW-23-08	MW-23-09
DEPTH (FT)		316-326	350-360	406-416	406-416	444-454
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		12/20/2010	12/20/2010	12/20/2010	12/20/2010	12/20/2010
1,1,1-Trichloroethane	30	0.071 J	0.12 J	0.061 J	0.063 J	ND
1,1-Dichloroethane	50	0.12 J	0.17 J	0.11 J	0.1 J	ND
1,1-Dichloroethene	1	0.63	1.6	0.87	0.87	ND
Acetone	6000	14	ND	12	9.3	9.5
Bromodichloromethane	1	0.14 J	ND	ND	0.08 J	ND
Chloroform	70	1.3	0.73	1.1	1	ND
cis-1,2-Dichloroethene	70	7.9	15	13	12	19
Methyl tert-butyl ether	70	0.13 J	0.17 J	0.12 J	ND	ND
Tetrachloroethene	1	ND	ND	0.3 J	0.33 J	ND
Toluene	600	48	2.2	40	38	27
Trichloroethene	1	31	76	56	54	120

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-9
OU3 GROUNDWATER DETECTIONS- DECEMBER 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW-23-01-122010	CDE-MW-23-02-122010	CDE-MW-23-03-122010	CDE-MW-23-04-122010	CDE-MW-23-05-122010
LOCATION (WELL ID)		MW-23-01	MW-23-02	MW-23-03	MW-23-04	MW-23-05
DEPTH (FT)		60-70	120-130	170-180	226-236	258-268
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		12/20/2010	12/20/2010	12/20/2010	12/20/2010	12/20/2010
Bis(2-ethylhexyl)phthalate	3	ND	220	ND	11	ND
Caprolactam	5000	30	2 J	ND	ND	ND
Fluorene	300	ND	0.033 J	ND	ND	ND
Naphthalene	300	ND	ND	ND	ND	ND
Phenanthrene	N/A	ND	0.38	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-9
OU3 GROUNDWATER DETECTIONS- DECEMBER 2010
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW-23-06-122010	CDE-MW-23-07-122010	CDE-MW-23-08-122010	CDE-MW-23-10-122010	CDE-MW-23-09-122010
LOCATION (WELL ID)		MW-23-06	MW-23-07	MW-23-08	DUP of MW-23-08	MW-23-09
DEPTH (FT)		316-326	350-360	406-416	406-416	444-454
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		12/20/2010	12/20/2010	12/20/2010	12/20/2010	12/20/2010
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	50
Caprolactam	5000	14	ND	7	7.8	ND
Fluorene	300	ND	ND	ND	ND	ND
Naphthalene	300	ND	ND	ND	0.027 J	0.03 J
Phenanthrene	N/A	ND	ND	ND	ND	ND

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-9
OU3 GROUNDWATER DETECTIONS- DECEMBER 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW-23-01-122010	CDE-MW-23-02-122010	CDE-MW-23-03-122010	CDE-MW-23-04-122010	CDE-MW-23-05-122010	CDE-MW-23-06-122010
LOCATION (WELL ID)		MW-23-01	MW-23-02	MW-23-03	MW-23-04	MW-23-05	MW-23-06
DEPTH (FT)		60-70	120-130	170-180	226-236	258-268	316-326
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		12/20/2010	12/20/2010	12/20/2010	12/20/2010	12/20/2010	12/20/2010
Aluminum	50	42.6	50.9	82.8	40.2	60.9	54.8
Antimony	6	0.51 J	0.43 J	0.4 J	ND	0.35 J	0.94 J
Arsenic	3	4.3	4.9	4.1	4.4	4.7	17.9
Barium	2000	132	92.9	143	150	75.7	64
Calcium	N/A	117000	130000	84200	67600	65600	71600
Chromium	70	ND	ND	ND	ND	0.21 J	0.25 J
Cobalt	100	0.2 J	0.17 J	0.17 J	0.11 J	0.12 J	0.14 J
Copper	1300	1.6 J	0.73 J	8	2.9	4.5	1.7 J
Iron	300	48.8 J	64.7 J	75.5 J	33.2 J	63.2 J	58.3 J
Lead	5	2.5	1.2	2.9	2.8	1.7	1.6
Magnesium	N/A	33400	35400	29300	32300	33100	33800
Manganese	50	50.6	34.3	25	7.7	8.1	28.3
Nickel	100	0.43 J	0.34 J	0.41 J	0.38 J	0.59 J	0.44 J
Potassium	N/A	2380	2520	2610	1820	1840	2660
Selenium	40	ND	0.3 J	0.38 J	0.7 J	0.58 J	0.5 J
Sodium	50000	21900	29000	23400	14700	19000	23900
Thallium	2	ND	ND	ND	ND	ND	ND
Vanadium	N/A	6	7.9	6.8	10.2	12.3	14
Zinc	2000	8.1	8.1	12.3	8.9	9.4	6.5

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-9
OU3 GROUNDWATER DETECTIONS- DECEMBER 2010
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW-23-07-122010	CDE-MW-23-08-122010	CDE-MW-23-10-122010	CDE-MW-23-09-122010
LOCATION (WELL ID)		MW-23-07	MW-23-08	DUP of MW-23-08	MW-23-09
DEPTH (FT)		350-360	406-416	406-416	444-454
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		12/20/2010	12/20/2010	12/20/2010	12/20/2010
Aluminum	50	12.1 J	28.9	73.7	22.6
Antimony	6	0.32 J	0.54 J	0.59 J	0.53 J
Arsenic	3	4.9	11.9	11.7	7.8
Barium	2000	49.7	27.5	27.3	13.4
Calcium	N/A	50900	129000	137000	288000
Chromium	70	0.25 J	ND	0.26 J	ND
Cobalt	100	0.053 J	0.15 J	0.18 J	0.36 J
Copper	1300	1 J	1.2 J	5.9	2.2
Iron	300	ND	24.8 J	80.8 J	11 J
Lead	5	1.6	1.1	2	4.6
Magnesium	N/A	26600	42800	44000	81700
Manganese	50	4	41.2	45.8	47.8
Nickel	100	0.19 J	0.25 J	0.32 J	0.38 J
Potassium	N/A	1520	2150	2050	3380
Selenium	40	0.65 J	0.63 J	0.58 J	0.74 J
Sodium	50000	16200	35700	37300	64600
Thallium	2	ND	ND	ND	0.18 J
Vanadium	N/A	14.4	12.3	11.2	13.5
Zinc	2000	10.5	8.2	11.2	10.8

Notes:

ND = non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-10
OU3 GROUNDWATER DETECTIONS- MARCH 2011
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW23-01-032111	CDE-MW23-02-032111	CDE-MW23-03-032111	CDE-MW23-04-032111	CDE-MW23-05-032211
LOCATION (WELL ID)		MW-23-01	MW-23-02	MW-23-03	MW-23-04	MW-23-05
DEPTH (FT)		60-70	120-130	170-180	226-236	258-268
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		3/21/2011	3/21/2011	3/21/2011	3/21/2011	3/22/2011
1,1-Dichloroethene	1	ND	ND	ND	0.35 J	0.41 J
Chloroform	70	ND	ND	ND	ND	0.23 J
cis-1,2-Dichloroethene	70	ND	1.6	3.9	4.5	4.5
Methyl tert-butyl ether	70	ND	ND	0.28 J	0.36 J	ND
Tetrachloroethene	1	ND	ND	0.35 J	0.29 J	0.25 J
Toluene	600	ND	ND	ND	ND	ND
Trichloroethene	1	0.43 J	6.7	16	18	19

Notes:

ND= non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Cleanup Standard.

TABLE 5-10
OU3 GROUNDWATER DETECTIONS- MARCH 2011
VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW23-10-032211	CDE-MW23-06-032211	CDE-MW23-07-032211	CDE-MW23-08-032211	CDE-MW23-09-032211
LOCATION (WELL ID)		DUP of MW-23-05	MW-23-06	MW-23-07	MW-23-08	MW-23-09
DEPTH (FT)		258-268	316-326	350-360	406-416	444-454
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011
1,1-Dichloroethene	1	0.34J	0.37 J	0.87	0.46 J	0.22 J
Chloroform	70	ND	0.29 J	0.39 J	ND	ND
cis-1,2-Dichloroethene	70	4.4	3.9	9.6	4.5	9.5
Methyl tert-butyl ether	70	ND	ND	ND	ND	ND
Tetrachloroethene	1	0.2 J	ND	ND	ND	ND
Toluene	600	ND	3.7	ND	9.1	3.1
Trichloroethene	1	20	18	37	19	70

Notes:

ND= non-detect

The Potential Cleanup Standard shown is 1 the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Cleanup Standard.

TABLE 5-10
OU3 GROUNDWATER DETECTIONS- MARCH 2011
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW23-01-032111	CDE-MW23-02-032111	CDE-MW23-03-032111	CDE-MW23-04-032111	CDE-MW23-05-032211
LOCATION (WELL ID)		MW-23-01	MW-23-02	MW-23-03	MW-23-04	MW-23-05
DEPTH (FT)		60-70	120-130	170-180	226-236	258-268
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		3/21/2011	3/21/2011	3/21/2011	3/21/2011	3/22/2011
Bis(2-ethylhexyl)phthalate	3	ND	ND	ND	ND	ND
Pyrene	200	ND	ND	ND	0.14	ND

Notes:

ND= non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Clean up Standard.

TABLE 5-10
OU3 GROUNDWATER DETECTIONS- MARCH 2011
SEMI-VOLATILE ORGANIC COMPOUNDS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW23-10-032211	CDE-MW23-06-032211	CDE-MW23-07-032211	CDE-MW23-08-032211	CDE-MW23-09-032211
LOCATION (WELL ID)		DUP of MW-23-05	MW-23-06	MW-23-07	MW-23-08	MW-23-09
DEPTH (FT)		258-268	316-326	350-360	406-416	444-454
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011
Bis(2-ethylhexyl)phthalate	3	ND	1.1 J	ND	ND	ND
Pyrene	200	0.12	ND	ND	ND	ND

Notes:

ND= non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Cleanup Standard.

TABLE 5-10
OU3 GROUNDWATER DETECTIONS- MARCH 2011
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW-23-01-032111	CDE-MW-23-02-032111	CDE-MW-23-03-032111	CDE-MW-23-04-032111	CDE-MW-23-05-032211
LOCATION (WELL ID)		MW-23-01	MW-23-02	MW-23-03	MW-23-04	MW-23-05
DEPTH (FT)		60-70	120-130	170-180	226-236	258-268
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		3/21/2011	3/21/2011	3/21/2011	3/21/2011	3/22/2011
Aluminum	50	R	R	R	R	R
Arsenic	3	9 J	11.8 J	13.3 J	14 J	15.4 J
Barium	2000	173	131	163	152	70.4
Calcium	N/A	74900	64300	73200	59200	46900
Chromium	70	0.86 J	1.2 J	1.2 J	1.3 J	1.5 J
Copper	1300	0.76 J	0.61 J	2.4	0.72 J	0.46 J
Cyanide	100	19.9	16.9	13	15.1	20.2
Iron	300	14.8 J	11.9 J	13.8 J	14.4 J	17 J
Lead	5	ND	ND	ND	1.3	3.5
Magnesium	N/A	27100	23600	28200	32000	29300
Manganese	50	12.9	5.6	5.3	1.8	2.7
Mercury	2	R	R	R	R	R
Nickel	100	1.7	1.3	1.6	1.3	1.2
Potassium	N/A	1840 J	1800 J	2150 J	1720 J	1680 J
Sodium	50000	16600	20000	22700	14900	16000
Vanadium	N/A	5.1	6.8	6.1	8.4	12.5
Zinc	2000	5.2	5.6	9	11.6	7.5

Notes:

ND= non-detect

R= rejected

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-10
OU3 GROUNDWATER DETECTIONS- MARCH 2011
INORGANICS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW-23-10-032211	CDE-MW-23-06-032211	CDE-MW-23-07-032211	CDE-MW-23-08-032211	CDE-MW-23-09-032211
LOCATION (WELL ID)		DUP of MW-23-05	MW-23-06	MW-23-07	MW-23-08	MW-23-09
DEPTH (FT)		258-268	316-326	350-360	406-416	444-454
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011
Aluminum	50	R	R	R	R	R
Arsenic	3	23.2 J	23.4 J	18 J	19.2 J	28.3 J
Barium	2000	68.9	61.2	51.8	29.6	14.1
Calcium	N/A	44700	43700	42300	95000	244000
Chromium	70	2.4	1.4 J	1.9 J	1.4 J	1.4 J
Copper	1300	1.1 J	1.6 J	1.5 J	1.3 J	2 J
Cyanide	100	13.3	17.2	16.4	12.4	29.5
Iron	300	19 J	29.6 J	ND	77.7 J	46.3 J
Lead	5	8.1	4.7	4.1	4.1	1.3
Magnesium	N/A	29700	26100	25900	44800	76100
Manganese	50	2.9	56.7	0.77 J	313	83
Mercury	2	R	R	R	R	R
Nickel	100	1.3	1.2	1.1	2.4	4.7
Potassium	N/A	2000 UJ	2030 J	1500 J	1980 J	3080 J
Sodium	50000	16100	18500	15900	38900	63600
Vanadium	N/A	10.3	13	12.7	7.8	10.1
Zinc	2000	15.1	12.5	35.1	13.7	6.3

Notes:

ND= non-detect

R= rejected

The Potential Cleanup Standards shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16) and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Potential Cleanup Standard.

TABLE 5-10
OU3 GROUNDWATER DETECTIONS- MARCH 2011
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW23-01-032111	CDE-MW23-02-032111	CDE-MW23-03-032111	CDE-MW23-04-032111	CDE-MW23-05-032211
LOCATION (WELL ID)		MW-23-01	MW-23-02	MW-23-03	MW-23-04	MW-23-05
DEPTH (FT)		60-70	120-130	170-180	226-236	258-268
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		3/21/2011	3/21/2011	3/21/2011	3/21/2011	3/22/2011
gamma-Chlordane	N/A	0.03 J	ND	ND	ND	0.032 J
Chlordane (alpha + gamma)	0.5	0.03 J	ND	ND	ND	0.032 J

Notes:

ND= non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Cleanup Standard.

TABLE 5-10
OU3 GROUNDWATER DETECTIONS- MARCH 2011
PESTICIDES
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

SAMPLE NAME	Potential Cleanup Standard ug/L	CDE-MW23-10-032211	CDE-MW23-06-032211	CDE-MW23-07-032211	CDE-MW23-08-032211	CDE-MW23-09-032211
LOCATION (WELL ID)		DUP of MW-23-05	MW-23-06	MW-23-07	MW-23-08	MW-23-09
DEPTH (FT)		258-268	316-326	350-360	406-416	444-454
MATRIX		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
UNITS		ug/L	ug/L	ug/L	ug/L	ug/L
SAMPLE DATE		3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011
gamma-Chlordane	N/A	0.031 J	ND	0.029 J	ND	ND
Chlordane (alpha + gamma)	0.5	0.031 J	ND	0.029 J	ND	ND

Notes:

ND= non-detect

The Potential Cleanup Standard shown is the lowest of the Safe Drinking Water Act Maximum Contaminant Levels (MCLs) (40 CFR 141), the New Jersey Drinking Water Quality Act MCLs (NJAC 7:10-16), and the New Jersey Groundwater Quality Criteria (NJAC 7:9-6).

Shading indicates exceedance of Cleanup Standard.

TABLE 5-11
DATA VALIDATION QUALIFIER DEFINITIONS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
JN	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
P	The analysis indicates that a pesticide or Aroclor analyte has a % difference greater than 25% between the two GC columns.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
Y	Discretionary laboratory data validation qualifier. Form 1s indicate that the concentration is EMPC or an estimated maximum possible concentration.

TABLE 5-12
DIOXIN TOXICITY EQUIVALENT (TEQ)- MARCH 2010
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Sample Location	Sample Date	PCB TEQ ¹ (pg/L)	Dioxin TEQ ¹ (pg/L)	Total TEQ ² (pg/L)
CDE-ERT1-03	ERT-1-03	4/8/2010	0.0058	0	0.0058
CDE-ERT2-01	ERT-2-01	3/31/2010	0.15	0	0.15
CDE-ERT2-05	ERT-2-05	3/31/2010	0.0009	0	0.0009
CDE-ERT4-04	ERT-4-04	3/25/2010	0.024	0	0.024
CDE-ERT6-02	ERT-6-02	3/26/2010	0.011	0	0.011
CDE-ERT7-03	ERT-7-03	4/8/2010	0.0049	0	0.0049
CDE-ERT8-05	ERT-8-05	4/1/2010	0.0026	0	0.0026
CDE-FPW-01	FPW-01	4/7/2010	0.41	0	0.41
CDE-MW24-03	DUP of FPW-01	4/7/2010	4.67	0	4.67
CDE-FPW-09	FPW-09	4/7/2010	0.55	0	0.55
CDE-MW01A	MW-01A	3/24/2010	9.4	0	9.4
CDE-MW03	MW-03	3/25/2010	37	2.2	39.2
CDE-MW05	MW-05	4/8/2010	40	0	40
CDE-MW08	MW-08	3/25/2010	0.49	0	0.49
CDE-MW11	MW-11	3/29/2010	Data Not Useable ³		
CDE-MW12	MW-12	4/5/2010	381	117	498
CDE-MW13-07	MW-13-07	4/7/2010	0.25	0	0.25
CDE-MW14D-03	MW-14D-03	4/6/2010	3.8	0	3.8
CDE-MW14S-04	MW-14S-04	4/6/2010	200570	6852	207422
CDE-MW15D-01	MW-15D-01	4/6/2010	0.58	0	0.58
CDE-MW16-07	MW-16-07	4/12/2010	0.0062	0	0.0062
CDE-MW17-02	MW-17-02	3/26/2010	0.0077	0	0.0077
CDE-MW24-02	DUP of MW-17-02	3/26/2010	0.28	0	0.28
CDE-MW19-02	MW-19-02	3/29/2010	0.028	0	0.028
CDE-MW20-02	MW-20-02	3/30/2010	0.097	0	0.097
CDE-MW22-01	MW-22-01	3/25/2010	0	0	0

Notes:

¹ TEQ calculations were done using the Toxicity Equivalency Factors (TEFs) from:

Van den Berg et al. (2006); WHO's website on dioxin TEFs, available at: http://www.who.int/ipcs/assessment/tef_update/en/

² Total TEQ is equal to the PCB TEQ plus the Dioxin TEQ

³ The PCB Congener results from MW-11 were qualified as "U-non detect" by the data validator because of method blank and equipment rinsate contamination associated with this sample. MW-11 contained elevated levels of PCB Aroclors in Oct 2009 and March 2010 and elevated levels of PCB Congeners in July 2010, therefore, using the "U-non detect" results from March 2010 would underestimate the contamination in this well

TABLE 5-13
DIOXIN TOXICITY EQUIVALENT (TEQ)- JULY 2010
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Sample Name	Sample Location	Sample Date	PCB TEQ ¹ (pg/L)	Dioxin TEQ ¹ (pg/L)	Total TEQ ² (pg/L)
CDE-ERT1-03	ERT-1-03	7/13/2010	0.0069	0	0.0069
CDE-ERT2-01	ERT-2-01	7/14/2010	1.7	0	1.7
CDE-ERT2-05	ERT-2-05	7/14/2010	0.16	0	0.16
CDE-ERT4-04	ERT-4-04	7/12/2010	0.23	0	0.23
CDE-ERT6-02	ERT-6-02	7/13/2010	0.0063	0	0.0063
CDE-ERT7-03	ERT-7-03	7/14/2010	0.018	0	0.018
CDE-ERT8-05	ERT-8-05	7/14/2010	0.035	0	0.035
CDE-FPW-01	FPW-01	7/12/2010	0.027	0	0.027
CDE-FPW-09	FPW-09	7/12/2010	0.0068	0	0.0068
CDE-MW01A	MW-01A	7/12/2010	47	6.9	53.9
CDE-MW03	MW-03	7/12/2010	18	1.5	19.5
CDE-MW25-01	DUP of MW-03	7/12/2010	15	1.4	16.4
CDE-MW05	MW-05	7/14/2010	12	0	12
CDE-MW08	MW-08	7/14/2010	0.86	0	0.86
CDE-MW11	MW-11	7/13/2010	722	119	841
CDE-MW12	MW-12	7/14/2010	99	5.7	104.7
CDE-MW13-07	MW-13-07	7/14/2010	0.28	0	0.28
CDE-MW14D-03	MW-14D-03	7/13/2010	1.7	0	1.7
CDE-MW14S-04	MW-14S-04	7/13/2010	211180	6645	217825
CDE-MW15D-01	MW-15D-01	7/13/2010	0.92	0	0.92
CDE-MW16-07	MW-16-07	7/12/2010	0.017	0	0.017
CDE-MW17-02	MW-17-02	7/14/2010	0.063	0	0.063
CDE-MW19-02	MW-19-02	7/13/2010	0.25	0	0.25
CDE-MW25-05	DUP of MW-19-02	7/13/2010	0.41	22	22.41
CDE-MW20-02	MW-20-02	7/12/2010	0.51	0	0.51
CDE-MW22-01	MW-22-01	7/12/2010	0.040	0	0.04

Notes:

¹ TEQ calculations were done using the Toxicity Equivalency Factors (TEFs) from:

Van den Berg et al. (2006); WHO's website on dioxin TEFs, available at: http://www.who.int/ipcs/assessment/tef_update/en/

² Total TEQ is equal to the PCB TEQ plus the Dioxin TEQ

TABLE 5-14
POTENTIAL SOURCES OF CONTAMINATION
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Site Information/Characterization															Known Site Contaminants (ug/L)										Affected Media			CEA									
GIS ID Number	Site	Federal NPL ¹	Delisted Federal NPL ¹	CERCLIS ¹	CERCLIS-NFRAP ¹	US/State INST Control ¹	PADS/PCB Trans ¹	SHWS ¹	Historical HWS ¹	Brownfields ¹	RCRA Corraacts ¹	NPDES ¹	LUST ¹	Elevation ¹	Address ¹	Town ¹	Distance From Center of Former CDE Facility (mi) ²	Direction From Site ¹	Gradient Direction ²	PCB ¹	Trichloroethylene ¹	Dichloroethylene (cis-1,2) ¹	Dichloroethene (1,2-) (trans) ¹	Tetrachloroethylene (Tetrachloroethene) ¹	Tetrachloroethane (1,1,1,2-) ¹	1,1,1-Trichloroethane ¹	Chloroethane ¹	Dichloroethane (1,1-) (Ethylidene dichloride) ¹	Vinyl Chloride ¹	1,1-Dichloroethene (Vinylidene chloride) ¹	Groundwater ¹	Surface Water ¹	Soils ¹	Present? (Y/N) ¹	GW Depth (ft) ¹		
1	Crown Bullion and Refining Co./Non-Ferrous Metals/Non-Ferrous Recyling Company/Electronic Lab Supply Co-NJ Div				X			X	X	X	X			L	304 Pulaski St.	SP	0.33	NW	D			1.3 ³			1.4 ³							Y ³		Y ³	N ⁵	-- ⁵	
2	CP Manufacturing Inc./Kentile Floors							X	X	X		X		L	101 Kentile Road	SP	0.5	ESE	U			160 ³		2.2 ³	4.6 ³							Y ³		Y ³	Y	-- ⁵	
3	Prosoco Inc					X		X	X	X		X		E/H	111 Snyder Rd	SP	0.7	W	U													Y ⁴			Y ⁴	10 ⁵	
4	Alfred Cohagen Inc					X		X	X	X		X		L	110 Sylvania Place	SP	0.8	W	D								190 ⁴	95 ⁴					Y			Y	15 ⁵
5	United Steel Deck/CMC Joist & Deck							X	X	X		X		L	14 Harmich Road	SP	0.8	ESE	U													Y ⁴			Y ⁵	10 ⁵	
6	Hummel Chemical Co/Hummel Croton Inc.			X				X				X	X	L	10 Harmich Rd	SP	0.8	ESE	U													Y ⁴		Y ⁴	N ⁵	-- ⁵	
7	Standard Plastic Products Inc				X						X		X	E/H	450 Oak Tree Rd	SP	0.8	ENE	U															Y ⁴		N ⁵	-- ⁵
8	Chevron Chemical Company/Former Ortho Products				X			X	X	X	X	X		L	800 Metuchen Road	SP	0.84	SE	U													6 ³	Y	Y ³	Y ³	N ⁵	-- ⁵
9	Hmieleski Trucking/JP Express											X	X	E/H	108 New Era Drive	SP	0.95	W	D					Y ³										Y ³	N ⁵	-- ⁵	
10	Eco Pump Corp/Bolt Street Corp					X		X	X					L	2387 South Clinton Ave	SP	1.0	W	D			404000 ⁴		7200 ³			11 ⁴	85 ⁴		4000 ⁴	24 ⁴	4080 ⁴	Y ³		Y ³	Y ⁵	150 ⁵
11	Boro Auto Wreckers						X	X	X	X		X		E/H	2271 Hamilton Blvd	SP	1.0	SSW	U	Y ⁴													Y ⁴		Y ⁴	N ⁵	-- ⁵
12	Ferro Corporation			X							X	X		E/H	115 Skyline Drive	SP	1.0	SW	U														Y ⁴			N ⁵	-- ⁵
13	Vanguard Research Associates				X						X	X		E/H	239 St. Nicholas Ave	SP	1.0	SSW	U														Y ⁴		Y ⁴	N ⁵	-- ⁵
14	BH&P Inc./Economics Labor/NBS Card Services, Inc./Qualteq Inc.				X							X		E/H	800 Montrose Ave	SP	1.0	SW	U														Y ⁴		Y ⁴	N ⁵	-- ⁵
15	Woodbrook Road Dump/Dismal Swamp	X		X										E/H	Woodbrook Road	SP	1.1	SE	U	Y	Inorganics, VOCs ³										Y ³	Y	Y	N ⁵	-- ⁵		
16	Former Snyder Property/Hmieleski Trucking							X	X	X			X	E/H	4201 Kennedy Road	SP	1.1	SW	U														Y ⁴			Y	50 ⁵
17	Asarco Inc				X	X		X	X	X		X		E/H	901 Oak Tree Road	SP	1.2	E	U			1.3 ⁴			2.3 ⁴						15 ⁴	Y			Y	100 ⁵	
18	Degussa Corp Metal Group/Ferro Corp				X	X		X	X	X		X		E/H	3900 S Clinton Ave	SP	1.2	SW	U														Y ⁴			Y ⁴	9 ⁴
19	L.R. Metal Treating Co				X			X	X	X				E/H	3651 S Clinton Ave	SP	1.2	SW	U																N ⁵	-- ⁵	
20	Platina Refining Lab				X			X						E/H	4301 S Clinton Ave	SP	1.3	SW	U														Y ⁴			N ⁵	-- ⁵
21	LA Dreyfus Co				X			X	X		X	X	X	E/H	3775 Park Ave	ED	1.3	ESE	U														Y ⁴			N ⁵	-- ⁵
22	Kearny Industries/Palco Inc.				X							X		E/H	2624 Hamilton Boulevard	SP	1.3	SSW	U																	N ⁵	-- ⁵
23	Cardre Inc					X		X	X	X				E/H	88 Tyler Place	SP	1.39	SW	U										Y						Y	--	
24	Mary Kay/Victaulic/Home Depot			X				X	X	X				E/H	3100 Hamilton Blvd	SP	1.6	SW	U			2-450 ⁶	3.5-470 ⁶	0.8-32 ⁶	1-1100 ⁶				1.1-2 ⁶	0.7-13 ⁶	0.8-28 ⁶	Y				N ⁵	-- ⁵
25	Uniform Tubes Inc.			X										E/H	4315 New Brunswick Ave	SP	1.7	SW	U					Y												N ⁵	-- ⁵
26	Chemical Dynamics Corporation				X									E/H	3001 Hadley Road	SP	1.7	SSW	U														Y ⁴			N ⁵	-- ⁵
27	Edison Stamping and Manufacturing Co Inc.			X				X						E/H	4490 Stelton Rd	SP	1.8	SW	U														Y ⁴		Y ⁴	N ⁵	-- ⁵
28	Chemsol/DE Maximis Inc.	X		X				X	X	X				E/H	(100) Fleming St	PI	1.9	WSW	U	Y	Y				Y							Y	Y	Y	N ⁵	-- ⁵	
29	Thales Avionics Inc/Wedco Tech Wadell/Auxilec Air Equipment Inc.					X		X	X	X				E/H	3920 Park Ave	ED	1.9	ESE	U			Y					Y			Y			Y ⁴	Y	--		
30	Hadley Field			X										E/H	Hadley and Stelton Road	SP	1.9	SW	U																N ⁵	-- ⁵	
31	Pack Tech Services/E Davis Inc			X				X	X	X		X		E/H	7 Turner PI	PI	2.2	WSW	U														Y ⁴		Y ⁴	N ⁵	-- ⁵
32	Pal IV Associates LLC/Whitestone Products Inc/All American Poly Corp/Tenneco Chemical Inc					X		X	X			X		E/H	40 Turner PI	PI	2.3	WSW	U			1.5 ⁴			12 ⁴							Y ⁴		Y ⁴	Y ⁴	12 ⁵	
33	Alphagaz Speciality Gases Division/Ideal Gas Products Inc.				X			X			X			E/H	977 New Durham Rd	ED	2.3	S	U														Y ⁴		Y ⁴	N ⁵	-- ⁵
34	Ashbrook Farm Landfill				X			X				X		E/H	Rahway Rd & Inman Ave	ED	2.5	NE	D														Y ⁴			N ⁵	-- ⁵

TABLE 5-14
POTENTIAL SOURCES OF CONTAMINATION
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Site Information/Characterization																Known Site Contaminants (ug/L)											Affected Media			CEA							
GIS ID Number	Site	Federal NPL ¹	Delisted Federal NPL ¹	CERCLIS ¹	CERCLIS-NFRAP ¹	US/State INST Control ¹	PADS/PCB Trans ¹	SHWS ¹	Historical HWS ¹	Brownfields ¹	RCRA Corraacts ¹	NPDES ¹	LUST ¹	Elevation ¹	Address ¹	Town ¹	Distance From Center of Former CDE Facility (mi) ²	Direction From Site ¹	Gradient Direction ²	PCB ¹	Trichloroethylene ¹	Dichloroethylene (cis-1,2) ¹	Dichloroethene (1,2-) (trans) ¹	Tetrachloroethylene (Tetrachloroethene) ¹	Tetrachloroethane (1,1,1,2-) ¹	1,1,1,1-Trichloroethane ¹	Chloroethane ¹	Dichloroethane (1,1-) (Ethylidene dichloride) ¹	Vinyl Chloride ¹	1,1-Dichloroethene (Vinylidene chloride) ¹	Groundwater ¹	Surface Water ¹	Soils ¹	Present? (Y/N) ¹	GW Depth (ft) ¹		
35	Webcraft Packaging Co				X			X						E/H	225 Forest Street	ME	2.6	SE	U													Y ⁴		Y ⁴	N ⁵	-- ⁵	
36	Flight Support Inc.				X									E/H	159 Forrest St	ME	2.6	SE	U																N ⁵	-- ⁵	
37	Metex Corp					X		X	X	X				E/H	206 Talmadge Road	ED	2.7	SSE	U		25 ⁴	80 ⁴								10 ⁴		Y ⁴			Y ⁴	6 ⁴	
38	Pigment Dispersions Inc./Ferro Corp				X			X				X		E/H	54 Kellogg Court	ED	2.7	S	U													Y ⁴			N ⁵	-- ⁵	
39	Townley Laboratories Inc						X							L	1750 West Front Street	PL	2.8	WNW	D	Y															N ⁵	-- ⁵	
40	Rock and Myrtle Avenues Site				X									L	Rock and Myrtle Avenue	PL	2.8	NW	D																N ⁵	-- ⁵	
41	Primus Sportswear				X									E/H	53 Brunswick Ave	ED	2.8	S	U													Y ⁴			N ⁵	-- ⁵	
42	Shielding Technology				X						X			E/H	120 Ethel Road West	PI	2.8	SSW	U													Y ⁴			N ⁵	-- ⁵	
43	Lisi America/Ziegler Chemical and Minteral Corp/Textile Chemical Co				X			X	X	X		X		L	600 Prospect Ave	PI	2.9	W	D													Y ⁴			N ⁵	-- ⁵	
44	Bubenick Property				X									L	223 Grandview Ave	PI	2.9	W	D																N ⁵	-- ⁵	
45	Plainfield Gas Works				X			X		X				E/H	Watchung Ave & E. 4th S	PL	3.0	N	D													Y ⁴			N ⁵	-- ⁵	
46	East 4th Street Site				X									E/H	314 East 4th St.	PL	3.1	N	D																N ⁵	-- ⁵	
47	International Paper Cabinet Division				X									E/H	183 National Road	ED	3.1	SSE	U																N ⁵	-- ⁵	
48	Maumee Express Inc						X							L	50 Howard St	PI	3.3	W	D	Y															N ⁵	-- ⁵	
49	Kemco Corporation/Inman Sports Club			X				X	X	X				E/H	990 Inman Avenue	ED	3.4	ENE	D													Y ⁴			N ⁵	-- ⁵	
50	Metuchen I LLC/Oakley Specialized Services, Inc.			X				X		X	X	X		E/H	700 Middlesex Ave	ME	3.4	SE	U													Y ⁴		Y ⁴	N ⁵	-- ⁵	
51	Revlon Inc.				X			X	X	X	X			E/H	Route 27 & 55 Talmadge Road	ED	3.4	SSE	U													Y ⁴		Y ⁴	N ⁵	-- ⁵	
52	Former Stop and Wash			X										E/H	904 South Ave	PL	3.6	N	D		Y				Y							Y			N ⁵	-- ⁵	
53	L-Tec/Union Carbide Corp				X	X		X	X			X	X	L	239 Old New Brunswick Road	PI	3.6	WSW	U		Y			Y	Y				Y			Y		Y	Y ⁵	30 ⁵	
54	Bowman Metro Diesel			X										E/H	45 Route 22 East	GB	3.7	NW	D																N ⁵	-- ⁵	
55	Air Products & Chemicals Inc./AIRCO Corp				X			X	X	X		X	X	E/H	1680 Oak Tree Road	ED	3.7	E	U													Y ⁴			N ⁵	-- ⁵	
56	Continental Can Co/Elmo Leather							X	X	X	X	X		E/H	24 Kilmer Ave	ED	3.8	S	U		8 ⁴			26 ⁴		560 ⁴		74 ⁴		160 ⁴	Y ⁴		Y ⁴	Y ⁴	55 ⁴		
57	Oak Tree Center Mall					X		X	X	X				E/H	1665 Oak Tree Road	ED	3.84	E	U		Y ⁵		Y ⁵	Y ⁵				Y ⁵			Y ⁵			Y ⁴	7 ⁵		
58	Haller Testing Laboratories			X				X	X	X				E/H	336 Leland Ave	PL	3.9	N	D													Y ⁴		Y ⁴	N ⁵	-- ⁵	
59	Borden Inc.			X				X	X	X	X		X	L	930 Lincoln Blvd	MI	3.9	W	D													Y ⁴		Y ⁴	N ⁵	-- ⁵	
60	Chemical Insecticide Corp	X		X		X								E/H	30 (125-135) Whitman Ave	ME	3.9	SE	U		8.1 ⁴	110 ⁴									Y ⁴	Y ⁴	Y ⁴	Y ⁵	100 ⁵		
61	Muller Machinery (CIC?)				X									E/H	135 Whitman Ave	ME	3.9	SE	U													Y ⁴			N ⁵	-- ⁵	
62	Rutgers University/Busch/LIV				X						X			E/H	Gamma Greenhouse Building 3553	PI	3.9	SSW	U																	N ⁵	-- ⁵
63	New Dover Substation						X							E/H	New Dover Road Off Roxy Ave	ED	4.0	E	U	Y																N ⁵	-- ⁵
64	Mattel Inc.				X						X			E/H	One Truman Dr. South	ED	4.0	S	U													Y ⁴		Y ⁴	N ⁵	-- ⁵	
65	US Dep of Energy Middlesex Sampling Plant	X		X				X	X	X				E/H	239 Mountain Ave	MI	4.3	W	D		Y		Y	Y								Y	Y	Y	N ⁵	-- ⁵	
66	Middlesex Industrial Center (Part of Middlesex Sampling Plant?)			X				X	X	X				L	Mountain Ave & Lehigh Valley Railroad	MI	4.3	W	D													Y ⁴		Y ⁴	N ⁵	-- ⁵	
67	Allied Chemical Corp				X						X			E/H	Prince St Off Rte 1	ED	4.4	SE	U																	N ⁵	-- ⁵
68	Basf Catalysts Corp/Engelhard Corp/Engelhard Industries Division				X	X		X	X			X	X	L	25 Middlesex Essex Tpke/ Wood Ave & Middlesex Turnpike	IS	4.4	E	U		Y			Y								Y		Y	Y	40 ⁵	
69	Middlesex Water Co Carl J. Olsen Well Treatment Plant			X				X					X	E/H	100 Fairview Avenue	ED	4.5	S	U															Y ⁴		N ⁵	-- ⁵
70	Union Carbide Corp Landfill			X										L	10 Possumton Rd/Possumtown Rd	PI	4.6	W	D													Y ⁴			Y	23 ⁴	
71	Ford Motor Co Edison Assembly						X	X	X	X		X	X	E/H	939 US Highway 1	ED	4.6	SSE	U	Y													Y			N ⁵	-- ⁵

TABLE 5-14
POTENTIAL SOURCES OF CONTAMINATION
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Site Information/Characterization																Known Site Contaminants (ug/L)										Affected Media			CEA								
GIS ID Number	Site	Federal NPL ¹	Delisted Federal NPL ¹	CERCLIS ¹	CERCLIS-NFRAP ¹	US/State INST Control ¹	PADS/PCB Trans ¹	SHWS ¹	Historical HWS ¹	Brownfields ¹	RCRA Corraacts ¹	NPDES ¹	LUST ¹	Elevation ¹	Address ¹	Town ¹	Distance From Center of Former CDE Facility (mi) ²	Direction From Site ¹	Gradient Direction ²	PCB ¹	Trichloroethylene ¹	Dichloroethylene (cis-1,2) ¹	Dichloroethene (1,2-) (trans) ¹	Tetrachloroethylene (Tetrachloroethene) ¹	Tetrachloroethane (1,1,1,2-) ¹	1,1,1-Trichloroethane ¹	Chloroethane ¹	Dichloroethane (1,1-) (Ethylidene dichloride) ¹	Vinyl Chloride ¹	1,1-Dichloroethene (Vinylidene chloride) ¹	Groundwater ¹	Surface Water ¹	Soils ¹	Present? (Y/N) ¹	GW Depth (ft) ¹		
72	Renora		X	X										L	83 S Main St	ED	4.8	SE	U	Y					Y							Y	Y	Y	N ⁵	-- ⁵	
73	Georgia Gulf Corp				X	X		X		X	X			L	100 Normandy Drive	PI	5.0	WSW	D		Y	Y								Y		Y			Y	-- ⁵	
74	Rimex Metals Inc/USEPA Edison Facility/First Union National Bank/TransAmerica Trailer					X		X						E/H	2850 Woodbridge Ave	ED	5.0	SE	U		390 ⁴				2.4 ⁴		2284 ⁴					397 ⁴	Y ⁴			Y	50 ⁴
75	Raritan Center Area-4/Raritan Arenal			X										E/H	2890 Woodbridge Ave	ED	5.0	SE	U													Y ⁴		Y ⁴	N ⁵	-- ⁵	
76	Union Carbide Corp Chemical and Plastics/River Road Landfill							X	X	X			Y ⁴	L	1 River Road ⁴	PI ⁴	5.3		U		39000 ⁴				8600 ⁴						14000 ⁴	Y ⁴			Y ⁴	155 ⁴	
77	Air Products & Chemcials Inc./BOC Gases				X									L	172 Baekeland Ave	MI	5.4	W	D													Y ⁴			N ⁵	-- ⁵	
78	Chipman Chemical Co/RBH Dispersions Inc./Rhone Poulenc Inc.			X				X		X				L	5 Factory Lane	MI	5.5	WSW	D													Y ⁴			N ⁵	-- ⁵	
--	Hatfield Wire & Cable				X									E/H	987 Hillside Ave	HI	--	N	D																N ⁵	-- ⁵	
--	Aloyco Inc.				X			X						E/H	879 North Avenue	EL	--	N	D												Y ⁴				N ⁵	-- ⁵	

Notes:
¹ Data comes from EDR unless otherwise noted
² Data comes from GIS data calculations
³ CSM Tetrtech 2006
⁴ EPA.gov/NJDEP Dataminer
⁵ NJDEP GIS CEA Files
⁶ 2007 NJDEP Expanded Site Investigation Report
U= upgradient of former CDE facility based on N65E bedrock strike
D= downgradient of former CDE facility based on N65E bedrock strike
L= lower elevation than the former CDE facility
E/H= equal/higher elevation than former CDE facility
Y= compound detected, but concentration value not available
GIS ID Number corresponds to site numbers on Figures 5-28 and 5-29

Table 5-15
5-MILE RADIUS WELL SEARCH
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

Facility Name	Permit Number	Well Name	Northing	Easting	Geologic Unit	Hydrogeologic Unit	Gallons Per Minute	Gallons Per Day
1225 SOUTH CORP	2500013694	WELL 1	654255.65	519760.5	Brunswick Formation	Brunswick Aquifer	200	288000
ASH BROOK GOLF COURSE	4500061136	ASH BROOK	645059.44	528872.03	Passaic Formation	Brunswick Aquifer	150	216000
DESIGN AND MOLDING SERVICES	2500022656	WELL 2	636721	499278	Brunswick Formation	Brunswick Aquifer	120	172800
DESIGN AND MOLDING SERVICES	4500000252	WELL 1	636701	499374	Brunswick Formation	Brunswick Aquifer	120	172800
EDISON ONE COMMERCE CENTER	2500021275	WELL 2	633102	523569	Brunswick Formation	Brunswick Aquifer	460	662400
EDISON ONE COMMERCE CENTER		WELLS 1 & 2	633324	523475				
EDISON ONE COMMERCE CENTER	4500000040	WELL 1	633571	523329	Brunswick Formation	Brunswick Aquifer	550	792000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500011367	WELL 7	638374.33	490721.86	Brunswick Formation	Brunswick Aquifer		
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500013397	WELL 8	638126.65	490970.86	Brunswick Formation	Brunswick Aquifer		
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500002715	GREEN BROOK NO. 8	643088.17	501243.69	Passaic Formation	Brunswick Aquifer	150	216000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500012665	ROCK AVE-GREEN BROOK	644867.03	503487.57	Passaic Formation	Brunswick Aquifer	350	504000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500012632	8TH STREET	642393.45	510221.02	Passaic Formation	Brunswick Aquifer	240	345600
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500009037	PROSPECT AVE	649257.8	521497.41	Passaic Formation	Brunswick Aquifer	300	432000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500011582	WELL 4	638120.33	490456.83	Brunswick Formation	Brunswick Aquifer		
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000024	GREEN BROOK NO. 2	643389.04	501295.66	Brunswick Formation	Brunswick Aquifer	650	936000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500002716	GREEN BROOK NO. 9	643223.75	502202.28	Passaic Formation	Brunswick Aquifer	500	720000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000016	NETHERWOOD #8	656174.83	521239.51	Passaic Formation	Brunswick Aquifer	350	504000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500000633	GREEN BROOK NO. 7	643547.19	500508.12	Passaic Formation	Brunswick Aquifer	80	115200
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500000572	GREEN BROOK NO. 5	643026.99	500917.62	Passaic Formation	Brunswick Aquifer	315	453600
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000018	NETHERWOOD #10	656287.92	520389.17	Passaic Formation	Brunswick Aquifer	350	504000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500000632	GREEN BROOK NO. 6	643118.34	500444.9	Passaic Formation	Brunswick Aquifer	600	864000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000025	GREEN BROOK NO. 3	643815.34	500899.07	Passaic Formation	Brunswick Aquifer	60	86400
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000022	BOARD OF EDUCATION	647692.25	506599.12	Passaic Formation	Brunswick Aquifer	400	576000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000013	NETHERWOOD #5	655697.48	520402.57	Passaic Formation	Brunswick Aquifer	350	504000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000012	NETHERWOOD #4	655622.88	520431.22	Passaic Formation	Brunswick Aquifer	300	432000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000020	NETHERWOOD #12	656225.21	520712.21	Passaic Formation	Brunswick Aquifer	250	360000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000014	NETHERWOOD #6	655755.1	520726.65	Passaic Formation	Brunswick Aquifer		
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000015	NETHERWOOD #7	656035.86	520833.01	Passaic Formation	Brunswick Aquifer	350	504000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000019	NETHERWOOD #11	656379.98	520887.49	Passaic Formation	Brunswick Aquifer	250	360000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000009	NETHERWOOD #1	654996.81	519823.52	Passaic Formation	Brunswick Aquifer	225	324000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500012631	ABERDEEN RD	651963.03	523024.86	Passaic Formation	Brunswick Aquifer	390	561600
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000011	NETHERWOOD #3	655312.78	520202.02	Passaic Formation	Brunswick Aquifer	450	648000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000021	GEORGE ST	657039.91	520702.75	Passaic Formation	Brunswick Aquifer	225	324000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000023	GREEN BROOK NO. 1	643522.04	501816.37	Passaic Formation	Brunswick Aquifer	310	446400
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000010	NETHERWOOD #2	655271.99	519907.48	Passaic Formation	Brunswick Aquifer	225	324000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000017	NETHERWOOD #9	656526.19	521468.94	Passaic Formation	Brunswick Aquifer	350	504000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	4500000026	GREEN BROOK NO. 4	642795.6	501468.79	Passaic Formation	Brunswick Aquifer	350	504000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500013354	CLINTON AVE	641805.32	510184.69	Passaic Formation	Brunswick Aquifer	475	684000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500002717	GREEN BROOK NO. 11	643452.39	500017.18	Passaic Formation	Brunswick Aquifer	200	288000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500013248	ROCK AVE-PISCATAWAY	641445.81	505925.26	Passaic Formation	Brunswick Aquifer	150	216000
ELIZABETHTOWN WATER DBA NJ AMERICAN WATER	2500012961	5TH STREET	642745.27	508523.47	Passaic Formation	Brunswick Aquifer	240	345600
FERRO CORPORATION	2500064952	WELL IW	630459.28	511171.68	Passaic Formation	Brunswick Aquifer	325	468000

Table 5-15
5-MILE RADIUS WELL SEARCH
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

FERRO CORPORATION	4500049678	WELL PW	630480.59	511488.2	Passaic Formation	Brunswick Aquifer	325	468000
GEERLINGS GREENHOUSES INC	2500022811	WELL 2	633372.06	497772.23	Passaic Formation- mudstone	Brunswick Aquifer	300	432000
GEERLINGS GREENHOUSES INC	2500020230	WELL 1	633298.33	497788.03	Passaic Formation- mudstone	Brunswick Aquifer	80	115200
INJECTRON CORP	4500061135	WELL 1	645341.28	509281.37			400	576000
JERSEY CONCRETE CO	2500026404	WELL 2	629968.26	518013.04	Brunswick Formation	Brunswick Aquifer	82	118080
JERSEY CONCRETE CO	2500023891	WELL 1	629968.26	518013.04	Brunswick Formation	Brunswick Aquifer	87	125280
METUCHEN GOLF & COUNTRY CLUB		POND 1 (COR.)	628302.4	529753.85	Brunswick Formation	Brunswick Aquifer	500	720000
METUCHEN GOLF & COUNTRY CLUB	2500012005	WELL 1	628199.24	529786.42	Passaic Formation	Brunswick Aquifer	400	576000
MIDDLESEX WATER CO	4500000279	PARK AVE 24	643170.8	517006.67	Stratified Drift	Glacial sand and Gravel	450	648000
MIDDLESEX WATER CO	2500011816	PARK AVE 26	641346.55	517030.72	Passaic Formation	Brunswick Aquifer	400	576000
MIDDLESEX WATER CO	2500012120	PARK AVE 29	642311.03	518312.51	Passaic Formation	Brunswick Aquifer	730	1051200
MIDDLESEX WATER CO	2500004517	TINGLEY SOUTH 6	640975.94	528235.54	Passaic Formation	Brunswick Aquifer	400	576000
MIDDLESEX WATER CO	2500066175	SPRING LAKE 9	639154.28	517028.86	Passaic Formation	Brunswick Aquifer	350	504000
MIDDLESEX WATER CO	4500000277	PARK AVE 21	643557.38	517971.98	Stratified Drift	Glacial sand and Gravel	1000	1440000
MIDDLESEX WATER CO	2500004516	TINGLEY SOUTH 5	640087.29	525554.24	Passaic Formation	Brunswick Aquifer	300	432000
MIDDLESEX WATER CO	2500066177	SPRING LAKE 6	637412.82	516669.3	Passaic Formation	Brunswick Aquifer	500	720000
MIDDLESEX WATER CO	4500000278	PARK AVE 22	642406.75	517675.86	Passaic Formation	Brunswick Aquifer	320	460800
MIDDLESEX WATER CO	2500066178	TINGLEY NORTH 4	640470.15	526654.6	Passaic Formation	Brunswick Aquifer	750	1080000
MIDDLESEX WATER CO	4500000275	PARK AVE 19	642898.23	518413.72	Stratified Drift	Glacial sand and Gravel	1100	1584000
MIDDLESEX WATER CO	2500066174	TINGLEY NORTH 3	640470.15	526654.6	Passaic Formation	Brunswick Aquifer	450	648000
MIDDLESEX WATER CO	2500000408	TINGLEY NORTH 1	640495.63	527036.31	Passaic Formation	Brunswick Aquifer	567	816480
MIDDLESEX WATER CO	2500011823	SPRING LAKE 5	637928.41	516284.21	Passaic Formation	Brunswick Aquifer	600	864000
MIDDLESEX WATER CO	2500012461	PARK AVE 31	642777.23	517365.34	Passaic Formation	Brunswick Aquifer	425	612000
MIDDLESEX WATER CO	2500009603	SPRAGUE AVE 1	643686.36	520020.02	Stratified Drift	Glacial sand and Gravel	790	1137600
MIDDLESEX WATER CO	2500005965	TINGLEY SOUTH 9	638869.41	527930.02	Passaic Formation	Brunswick Aquifer	300	432000
MIDDLESEX WATER CO	2500005637	TINGLEY SOUTH 8	639708.95	528311.36	Passaic Formation	Brunswick Aquifer	500	720000
MIDDLESEX WATER CO	2500066180	TINGLEY SOUTH 7	640257.69	528271.72	Passaic Formation	Brunswick Aquifer	300	432000
MIDDLESEX WATER CO	2500012131	PARK AVE 32	642717.95	516920.63	Passaic Formation	Brunswick Aquifer	250	360000
MIDDLESEX WATER CO	2500066173	PARK AVE 23	643259.94	518207.28	Stratified Drift	Glacial sand and Gravel	700	1008000
MIDDLESEX WATER CO	4500000274	PARK AVE 18	643716.22	518683.78	Stratified Drift	Glacial sand and Gravel	1400	2016000
MIDDLESEX WATER CO	2500066179	MAPLE AVE 1	640753.22	519914.53	Passaic Formation	Brunswick Aquifer	600	864000
MIDDLESEX WATER CO	2500011464	SPRAGUE AVE 2	643747.53	520704.14	Stratified Drift	Glacial sand and Gravel	790	1137600
MIDDLESEX WATER CO	2500011815	PARK AVE 25	641024.35	517713.51	Passaic Formation	Brunswick Aquifer	850	1224000
MIDDLESEX WATER CO	2500003970	TINGLEY NORTH 2	641291.34	527167.88	Passaic Formation	Brunswick Aquifer	200	288000
MIDDLESEX WATER CO	2500066176	SPRING LAKE 8	638649.64	517266.15	Passaic Formation	Brunswick Aquifer	650	936000
MIDDLESEX WATER CO	2500012119	PARK AVE 28	642123.21	516772.04	Passaic Formation	Brunswick Aquifer	250	360000
MIDDLESEX WATER CO	2500011822	PARK AVE 27	641813.05	517676.87	Passaic Formation	Brunswick Aquifer	350	504000
MIDDLESEX WATER CO	2500012130	PARK AVE 30	643060.4	517771.76	Passaic Formation	Brunswick Aquifer	350	504000
MIDDLESEX WATER CO	4500000276	PARK AVE 20	643503.48	519157.74	Stratified Drift	Glacial sand and Gravel	1450	2088000
NATIONAL STARCH & CHEMICAL (FORMER)	2500011751	WELL 6	642505.25	504886.64	Brunswick Formation	Brunswick Aquifer	700	1008000
PLAINFIELD COUNTRY CLUB		SW001 (COR.)	642016.3	523554.14			2100	3024000
PLAINFIELD COUNTRY CLUB	2500063021	WELL 1	650517.33	524391.38	Brunswick Formation	Brunswick Aquifer	300	432000
PLAINFIELD COUNTRY CLUB	4500000307	WELL 2	643733	520698.04	Brunswick Formation	Brunswick Aquifer	75	108000

Table 5-15
5-MILE RADIUS WELL SEARCH
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

RARITAN LANDING GOLF COURSE	2500052994	WELL 1	622549.64	502192.05	Passaic Formation	Brunswick Aquifer	325	468000
ROUTE 28 CAR WASH	2500013264	WELL 1	637623.59	496242.4	Brunswick Formation	Brunswick Aquifer	90	129600
RUTGERS UNIVERSITY GOLF COURSE	2500021440	WELL 1	614239	500531	Passaic Formation	Brunswick Aquifer	300	432000
RUTGERS UNIVERSITY GOLF COURSE		STORAGE POND (COR.D)	614193	500562			1000	1440000
SHACKAMAXON GOLF & COUNTRY CLUB	2500003551	POOL WELL	653606.03	533352.56	Brunswick Formation	Brunswick Aquifer	60	86400
SHACKAMAXON GOLF & COUNTRY CLUB	2500003550	MAINTENANCE BUILDING WELL	654773.43	532722.86	Brunswick Formation	Brunswick Aquifer	85	122400
SHACKAMAXON GOLF & COUNTRY CLUB		POND (WINDING BROOK)	653511.83	533441.97			650	936000
SHACKAMAXON GOLF & COUNTRY CLUB		POND (WINDING BROOK)	653511.83	533441.97			650	936000
SHACKAMAXON GOLF & COUNTRY CLUB		POND (WINDING BROOK)	653661.91	533738.94			300	432000
SHACKAMAXON GOLF & COUNTRY CLUB	2500060986	TEST WELL	654902	533380	Brunswick Formation	Brunswick Aquifer		
SILVERLINE BUILDING PRODUCTS	2500017060	WELL 1	636711.09	497234.02	Passaic Formation	Brunswick Aquifer	75	108000
SPRAY-TEK INC	2500046237	WELL 2	631371.04	491233.26	Passaic Formation	Brunswick Aquifer	58	83520
STONY BROOK LAUNDRY INC	2500019211	WELL 1	651615.48	509893.8			75	108000
TRC ENV (SANDERS LOCKHEED CO)	2500056281	RW-1	655256.43	511224.74	Passaic Formation	Brunswick Aquifer	150	216000
TWIN BROOKS COUNTRY CLUB	2500012540	WELL 1	654071.45	500891.2	Feltnville Formation	Brunswick Aquifer	100	144000
TWIN BROOKS COUNTRY CLUB		LWR IMPOUNDMENT - (COR.)	653917.49	500878.7			1250	1800000

Note: Northing and Easting are reported in NJ State Plane coordinates in US Feet, NAD83

Table 5-16
1-MILE RADIUS WELL SEARCH: PRIVATE WELLS
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

Permit Number	Owner Name	Use of Well	Lot	Block	Well #	Well Address	Completion Date*	Finish Depth	Northing	Easting
2500026404	JERSEY CONCRETE	Commercial	388	5	2	PO BOX 636	JUN-85-26	340	629968.26**	518013.04**
2500023891	JERSEY CONCRETE	Commercial	388	5	1	PO BOX 636	JUN-85-26	285	629968.26**	518013.04**
2200002793	CHEMICAL INSECTICIDE	Commercial	--	--	--	--	JUN-57-15	170	631386.859	519877.742
2500032832	CILLIS, JOSEPH JR	Domestic	6	307	1	1521 SAGE STREET	JAN-89-09	130	636704.813	511694.895
2500025751	CAMPAGNA, PHILIP	Domestic	9-10	427	1	216 ADELINE AVENUE	JAN-85-16	170	635996.72	514348.003
2500034157	ZWOLAK, FRANK MR.	Domestic	14	354	--	318 BELMONT AVENUE	AUG-86-04	160	632662.253	516845.595
2500001385	BARRY, JANE F.	Domestic	--	--	--	MCDONAHUE AVE	OCT-51-31	100	636704.857	511750.444
2500001832	HOGAN, JOHN	Domestic	--	--	--	SOUTH PLAINFIELD AVE	JUN-52-18	75	638024.546	516840.177
2500002504	KRIEGL, JOHN	Domestic	--	--	--	--	APR-53-06	90	631314.002	519877.824
2500002829	HULEY, ANDREW	Domestic	--	--	--	615 KENNETH AVE	AUG-53-19	100	632662.169	516762.258
2500003151	CORTESE, RALPH	Domestic	--	--	--	SPICER AVE	DEC-53-28	100	635291.351	515784.669
2500003230	RANDOLPH, ALICE E.	Domestic	--	--	--	SAMETON AVE	FEB-54-09	70	639476.081	514805.847
2500004061	CAMPILONGA, JOSEPH	Domestic	--	--	--	302 HILLSIDE AVE	NOV-54-18	90	631381.64	514813.352
2500004604	PIETERS, CORNELIUS	Domestic	--	--	--	24 SYLVAN AVE	MAY-55-25	90	631350.493	519933.344
2500004674	CURTIS, FRANK	Domestic	--	--	--	2030 SOUTH PLAINFIELD AVE	JUN-55-13	100	631344.303	513810.507
2500004810	CIFELLI, A	Domestic	--	--	--	723 EVERETT STREET	JUL-55-18	120	633972.688	511724.858
2500005248	MUGLIA, JASPER	Domestic	--	--	--	1955 TERRACE AVE	DEC-55-13	100	635289.519	513807.011
2500005317	VANBLARCOM, JOSEPHINE	Domestic	--	--	--	HOLLYWOOD BLVD	JAN-56-26	100	631347.153	516819.143
2500005404	HEELMAN, JOHN C	Domestic	--	--	--	PEER ST	MAR-56-07	--	633937.107	512755.437
2500005521	RUSSO, DOMINICK	Domestic	--	--	--	BARONE AVE	APR-56-27	100	631345.263	514868.947
2500005696	GUSEW, WASILY	Domestic	--	--	--	305 SPICER AVE	JUN-56-20	100	634013.725	516816.452
2500006010	ASTOR MANUFCTRNG CO.	Domestic	--	--	--	1409 ASTOR ST	SEP-56-21	--	632659.374	513809.342
2500006318	ROTOLO, MENETT	Domestic	--	--	--	1000 JACKSON AVE	DEC-56-19	100	632657.616	511725.912
2500006538	DONARUMA, LOUIS	Domestic	--	--	--	2913 NORWOOD AVE	MAR-30-57	126	638024.49	516784.631
2500007036	YIELINSKI, JOSEPHINE	Domestic	--	--	--	1124 BELMONT AVE	SEP-57	90	633979.488	518899.807
2500007454	YULICH, CHARLES JR	Domestic	--	--	--	437 SPICER AVE	JAN-58-16	100	633975.381	514838.725
2500007549	FERRANTE, GERALD R	Domestic	--	--	--	MAPLE AVE	JUN-58-27	110	636712.752	519899.476
2500007674	CAPRA, GEORGE C.	Domestic	--	--	--	--	AUG-20-1958	138	633937.084	512727.66
2500008011	DE MARCO, LOUIS	Domestic	--	--	--	910 BELMONT AVE	SEP-58-29	100	629928.116	514786.917
2500008203	BUTRICE, CHARLES F.	Domestic	--	--	--	GARBALDI AVE & TREMONT AVE	JAN-59-06	140	633975.329	514783.17
2500008228	PISCATELLI, MICHAEL	Domestic	--	--	--	NEW YORK AVE	JAN-59-15	100	633938.042	513835.987
2500008230	MARKLE, JOSEPH	Domestic	--	--	--	S. PLAINFIELD AVE & OAKLAND AVE	JAN-59-24	100	638025.632	517892.774
2500008312	ROMANSKI, MICHAEL	Domestic	--	--	--	438 HOLLYWOOD AVE	MAR-59-02	80	637985.238	513804.622
2500008638	DENSBY, SAMUEL	Domestic	--	--	--	30 REGENT ST	JUL-59-07	150	635254.95	515812.48
2500008692	RONZO, ELIZABETH	Domestic	--	--	--	DELMORE AVE & LORRAINE AVE	--	113	632698.653	516817.779
2500008916	MOORE, ARCHIE C.	Domestic	--	--	--	--	SEP-59-22	96	633981.856	520983.126
2500008979	ZERECONSKI, MILDRED	Domestic	--	--	--	NEW YORK AVE & HAMILTON BLVD	--	200	633974.421	513780.399
2500009045	SHINKLE, ANNA MRS	Domestic	--	--	--	NEW YORK AVE & HAMILTON BLVD	--	130	633974.471	513835.954
2500009517	TURI, CHARLES A	Domestic	--	--	--	--	AUG-60-28	100	633977.155	512727.626
2500009646	YULICK, RONALD	Domestic	--	--	--	GARIBALDI AVE	OCT-60-24	120	635290.402	514781.952
2500010227	SERIDO, TONY	Domestic	--	--	--	MURCH ST	--	150	632625.796	516817.853
2500010771	ST FRANCIS RECTORY	Domestic	--	--	--	--	AUG-62-31	296.5	631386.89	519905.522
2500010865	ROWE, WALTER	Domestic	--	--	--	1142 LORRAINE AVE	SEP-62-05	100	633977.241	516760.934
2500011068	DUNN, JOHN C JR	Domestic	--	--	--	HARVARD AVE	NOV-62-19	100	636671.073	514808.448

Table 5-16
1-MILE RADIUS WELL SEARCH: PRIVATE WELLS
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

Permit Number	Owner Name	Use of Well	Lot	Block	Well #	Well Address	Completion Date*	Finish Depth	Northing	Easting
2500011247	COLE, EDWARD	Domestic	--	--	--	--	APR-63-25	110	631314.033	519905.605
2500013094	LADIS, WILLIAM J	Domestic	--	--	--	--	OCT-65-04	100	633973.489	512699.851
2500018161	GLOBAC DEVELOPMENT	Domestic	3	433	--	349 WATCHING AVE	NOV-75-03	100	633973.536	512755.407
2500018868	DOHANYOS, Z.	Domestic	3	380	--	908 DELMORE AVE	NOV-76-10	150	632624.805	515815.026
2500019392	GLOBAL DEVELOPMENT	Domestic	14	426	--	NEW YORK AVE	NOV-77	110	634010.874	513808.145
2500019393	GLOBA DEVELOPMENT	Domestic	13	426	--	CAMDEN AVE	AUG-77	120	633938.017	513808.209
2500019502	GLOBAL DEVELOPMENT	Domestic	9A	426	--	300 MAPLE AVE	SEP-77-19	100	636707.528	514836.189
2500019503	GLOBAL DEVELOPMENT	Domestic	9	426	--	300 MAPLE AVE	SEP-77-19	100	636707.476	514780.64
2500019504	CUACIO, JAMES	Domestic	11A	427	--	NEW YORK AVE	SEP-77-19	100	636743.021	513805.723
2500019505	GLOBAL DEVELOPMENT	Domestic	3	433	--	300 MAPLE AVE	SEP-77-19	100	633976.305	515813.718
2500020170	GLOBAL DEVELOPMENT	Domestic	11-12	316	--	--	JUL-78-25	110	635290.454	514837.504
2500020350	GASTER, JOHN	Domestic	4	353	--	--	NOV-78-01	100	631345.238	514841.166
2500021332	PELLEGRINO, JOSEPH	Domestic	15-20	498	--	--	MAY-80	125	635287.761	511723.805
2500021571	MASTRIANNI, PATRICK	Domestic	3	348	--	--	NOV-80-01	175	636706.568	513777.981
2500022109	WOOD CONST. CO.	Domestic	49-53	437	--	--	JUN-81-02	150	635327.807	515812.41
2500022615	D. DI GIAN & SON	Domestic	73	315	--	--	MAR-82-18	150	633937.084	512727.66
2500023261	MORETTI, GUY	Domestic	3.02	353	--	SMITH ST	OCT-82	118	632660.283	514812.167
2500024382	KAYS, JOE	Domestic	5-8	292	--	--	JUN-83-23	170	633262.768	512264.328
2500024448	CELENTANO, JULIUS	Domestic	74-7	315	--	--	NOV-83-27	150	633263.59	513239.349
2500024955	WILSON, DONALD	Domestic	26	149	--	1711 NEW BRUNSWICK AVE	MAY-84-21	160	635998.621	516350.601
2500025605	KNIGHT, FRANK	Domestic	10	428	--	--	MAR-85-14	130	633266.448	516325.528
2500027382	WOOD,SAL	Domestic	7	350	--	--	MAR-86-12	170	633266.503	516381.085
2500027890	MODITZ,BRUCE	Domestic	1	438	--	--	SEP-86	175	638635.695	519461.267
2500027891	MODITZ,BRUCE	Domestic	1	438	--	--	SEP-86	175	638635.633	519405.723
2500028345	DI GIAN & SON CONST.	Domestic	11	341	--	--	SEP-86-12	150	633267.569	517433.886
2500028490	RECIFO,FRANK	Domestic	21	427	--	222 BARONE AVE	OCT-86-01	125	637316.366	515346.662
2500028492	RECIFO,FRANK	Domestic	21	427	--	222 BARONE AVE	OCT-86-01	150	638631.441	515345.413
2500029460	BUCCELLATO,JOSEPH	Domestic	21.01	315	--	--	MAR-87-24	200	633263.638	513294.906
2500029539	BARLETTA,ALEX	Domestic	4.01	366	--	700 DELMORE AVE	JUN-87-06	140	636708.452	515811.073
2500029696	CAMPAQWA,PHIL	Domestic	9	336	--	--	AUG-87-30	150	638060.947	516812.368
2500030346	DIGIAN LAND & DEVEL.	Domestic	3	367	--	DELMORE AVE	NOV-87-04	145	635329.912	517895.613
2500030603	ADAMS, JOHN	Domestic	27	135	--	1205 NEW BRUNSWICK AVE	NOV-87-05	200	633977.325	516844.266
2500030767	DIGIAN & SON CONST C	Domestic	1	367	--	LORAIN ST	DEC-87-08	165	633978.411	517897.037
2600001215	MCDOWELL, JULIA	Domestic	--	--	--	SUNSET AVE	JUN-55-27	--	631314.065	519933.386
2500012254	BOLAND, MAURICE J	Irrigation	--	--	--	1 CHANDLER ROAD	AUG-64-22	150	631386.922	519933.303
2500057460	SOUTH PLAINFIELD BOARD OF ED	Irrigation	13	204	Well 1	AVON AVE	FEB-01-07	200	639090.643	519091.394
2500057458	SOUTH PLAINFIELD BOARD OF ED	Irrigation	1	13	Well 3	LAKE STREET	FEB-01-02	150	639528.266	516049.953
2500057459	SOUTH PLAINFIELD BOARD OF ED	Irrigation	1	13	Well 2	LAKE STREET	FEB-01-09	250	639528.266	516049.953
2500023891	FISCHER, CHRIS	Industrial	388	5	--	PO BOX 636	JUN-83-18	285	635996.692	514317.45
2500012830	KEYSTONE PLASTICS	Industrial	--	--	--	S CLINTON AVE	MAY-65-21	300	637987.098	515809.835
2500000844	KENTILE, INC.	Industrial	--	--	--	--	APR-51-26	461	635292.341	516787.386
2500000845	KENTILE, INC.	Industrial	--	--	--	--	OCT-51-30	240	635292.398	516842.938
2500000846	KENTILE, INC.	Industrial	--	--	Well 3	58 2ND ST.	NOV-51-26	174	635255.941	516815.199
2500005806	EIZENBERG, ARTHUR	Industrial	--	--	--	500 METUCHEN ROAD	JUL-56-20	200	636711.634	518896.818

Table 5-16
1-MILE RADIUS WELL SEARCH: PRIVATE WELLS
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

Permit Number	Owner Name	Use of Well	Lot	Block	Well #	Well Address	Completion Date*	Finish Depth	Northing	Easting
2500011139	STANDARD PLASTICS	Industrial	--	--	--	--	FEB-63-14	200	635295.678	519901.085
2500012829	KEYSTONE PLASTICS	Industrial	--	--	--	S. CLINTON AVE	MAY-65-18	300	636706.617	513833.53
2500014113	KENTILE FLOORS INC.	Industrial	--	--	--	KENTILE ROAD	DEC-66-12	250	635294.56	518898.368
2500015811	LELAND TUBE COMPANY	Industrial	--	--	--	HARMICH RD	MAR-71-19	252	631350.399	519850.003
2500062367	T. JAYE'S HAND CAR WASH	Industrial	1	541	--	2431 HAMILTON BLVD.	OCT-03-07	305	628784.26	514787.976

Well data and coordinates from NJDEP Bureau of Water Systems and Well Permitting 1-mile well search

* When no completion date was available the well permit approval date was used. Permit approval dates are in italics.

**Coordinates for Jersey Concrete and Public Supply wells were taken from NJDEP 5-mile well search for greater accuracy

Table 5-17
Concentration of TCE in Spring Lake Wellfield (1991-1993)
Cornel-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Well No./Date	#5	#6	8	9
1/8/1991	130.0	220.0	6.0	8.0
1/22/1991	--	--	--	--
2/5/1991	--	98.0	4.0	--
2/19/1991	110.0	200.0	5.0	6.0
3/5/1991	--	210.0	2.5	11.0
3/19/1991	135.0	250.0	8.0	10.0
4/2/1991	148.0	240.0	8.0	8.0
4/16/1991	125.0	238.0	6.5	10.0
4/30/1991	125.0	200.0	7.0	--
5/14/1991	128.0	206.0	8.0	10.0
5/28/1991	125.0	--	7.0	--
6/11/1991	104.0	222.0	7.0	--
6/25/1991	117.0	210.0	9.0	--
7/9/1991	--	--	--	--
7/23/1991	110.0	263.0	8.9	14.1
7/6/1991	116.0	220.0	8.2	14.1
7/20/1991	137.0	265.0	8.0	13.6
8/3/1991	140.0	300.0	6.2	14.7
8/17/1991	108.0	--	8.0	14.4
10/1/1991	130.0	350.0	7.3	--
10/15/1991	--	--	8.8	--
1/7/1992	72.0	268.0	8.5	--
1/21/1992	128.0	--	13.7	--
2/4/1992	123.0	--	9.6	--
2/18/1992	103.0	--	9.1	--
3/3/1992	13.7	--	22.8	--
3/17/1992	105.0	--	10.2	--
3/31/1992	98.0	288.0	--	--
4/21/1992	80.0	350.0	9.5	4.3
5/5/1992	106.0	273.0	12.8	7.1
5/19/1992	134.0	304.0	11.1	12.6
6/2/1992	88.0	242.0	9.6	11.5
6/16/1992	226.0	290.0	7.6	11.3
6/30/1992	--	--	--	--
7/14/1992	102.0	117.0	8.8	14.1
7/28/1992	136.0	348.0	11.4	18.2
8/11/1992	141.0	390.0	9.4	18.3
8/25/1992	155.0	440.0	13.3	20.3
9/8/1992	133.0	343.0	7.8	10.9
9/22/1992	106.0	325.0	7.4	17.6
1/14/1993	--	336.0	23.1	23.9
1/28/1993	--	--	--	--
2/11/1993	--	313.0	21.0	26.1
2/25/1993	--	--	--	--
3/11/1993	--	264.0	13.3	24.3
3/25/1993	--	310.0	14.3	22.9
4/8/1993	--	264.0	15.0	18.7
4/22/1993	--	--	--	--
5/6/1993	--	350.0	12.5	23.1
5/20/1993	--	--	--	--
6/3/1993	--	287.0	13.2	18.7
6/17/1993	--	--	--	--
7/1/1993	--	273.0	14.6	21.2

Data provided by the Middlesex water Company in March 2012
concentration are in ug/L

Table 5-18
TCE and PCE Entering Spring Lake Treatment Plant (2002-2003)
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Date	TRICHLOROETHYLENE	TETRACHLOROETHYLENE
01/03/02	161	0.69
01/17/02	96	0.52
01/31/02	99.5	0.53
02/14/02	94.1	0.6
02/28/02	93	--
03/12/02	93	--
03/28/02	96	--
04/11/02	82	--
04/25/02	110.00	--
05/09/02	110.00	--
05/23/02	96	--
06/06/02	110	--
06/20/02	140	--
07/03/02	140	--
07/18/02	110	--
08/01/02	91	--
08/15/02	110	--
10/10/02	180	0.9
10/24/02	180	0.8
11/05/02	110	--
11/21/02	170	0.9
12/05/02	140	--
12/19/02	120	--
01/02/03	200	1.2
01/16/03	120	--
01/30/03	120	--
02/13/03	130	--
02/27/03	150	--
03/13/03	100	--
03/27/03	160	0.8
04/10/03	160	0.9
04/24/03	200	1.1
05/08/03	150	0.8
07/17/03	120	--

Data provided by the Middlesex water Company in March 2012
concentration are in ug/L

Table 5-19
Concentration of TCE in Middlesex Water Company Water Supply Wells (1983-1988)
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Well No. /Date	1983	1984	1985	1986	1987	1988
Well 18	15.1	-	9.6	9	9.4	6.8
Well 19	2	5.5	6.6	-	5.3	5.6
Well 20	10.5	14.0	5.7	ND	8.4	6.7
Well 21	2.6	5.5	6.3	2.7	3.4	4
Well 22	2.4	2.9	3.4	1.8	ND	1.3
Well 23	3.6	9.7	4.4	ND	3.2	3.8
Well 24	1.6	4.2	1.8	-	ND	0.7
Well 25	0	2.5	ND	ND	ND	ND
Well 26	0	3.0	ND	ND	ND	ND
Well 27	0.3	1.8	ND	ND	ND	ND
Well 28	0.9	2.4	ND	ND	ND	ND
Well 29	0.5	-	ND	ND	ND	ND
Well 30	6.2	7.2	5.7	2	4.9	3.9
Well 31	0	4.7	3.8	1.6	1.8	3.1
Well 32	1	-	ND	ND	ND	ND

Data provided by the Middlesex water Company in March 2012
concentration are in ug/L

Table 5-20
Concentration of PCE in Middlesex Water Company Water Supply Wells (1983-1988)
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Well No./Date	1983	1984	1985	1986	1987	1988
Well 18	16.2	-	9.8	14.5	13	27
Well 19	4.1	11	13	-	ND	22
Well 20	9.5	22	5.9	11.2	13	34
Well 21	3.4	6.4	3.2	ND	3.3	14
Well 22	2	3.6	2.8	ND	ND	2.2
Well 23	3.9	9.7	3.6	ND	2.3	14
Well 24	1	1.7	ND	-	ND	1.3
Well 25	1.4	3.9	ND	ND	ND	ND
Well 26	ND	ND	ND	ND	ND	ND
Well 27	2.3	6.1	2.6	ND	ND	1.6
Well 28	0.9	ND	ND	ND	ND	ND
Well 29	28.8	-	9.7	ND	4.6	10
Well 30	5.2	9.6	4.9	ND	3.4	8.8
Well 31	-	9.7	2.8	ND	3.7	5.7
Well 32	0.2	-	ND	ND	ND	ND

Data provided by the Middlesex water Company in March 2012
concentration are in ug/L

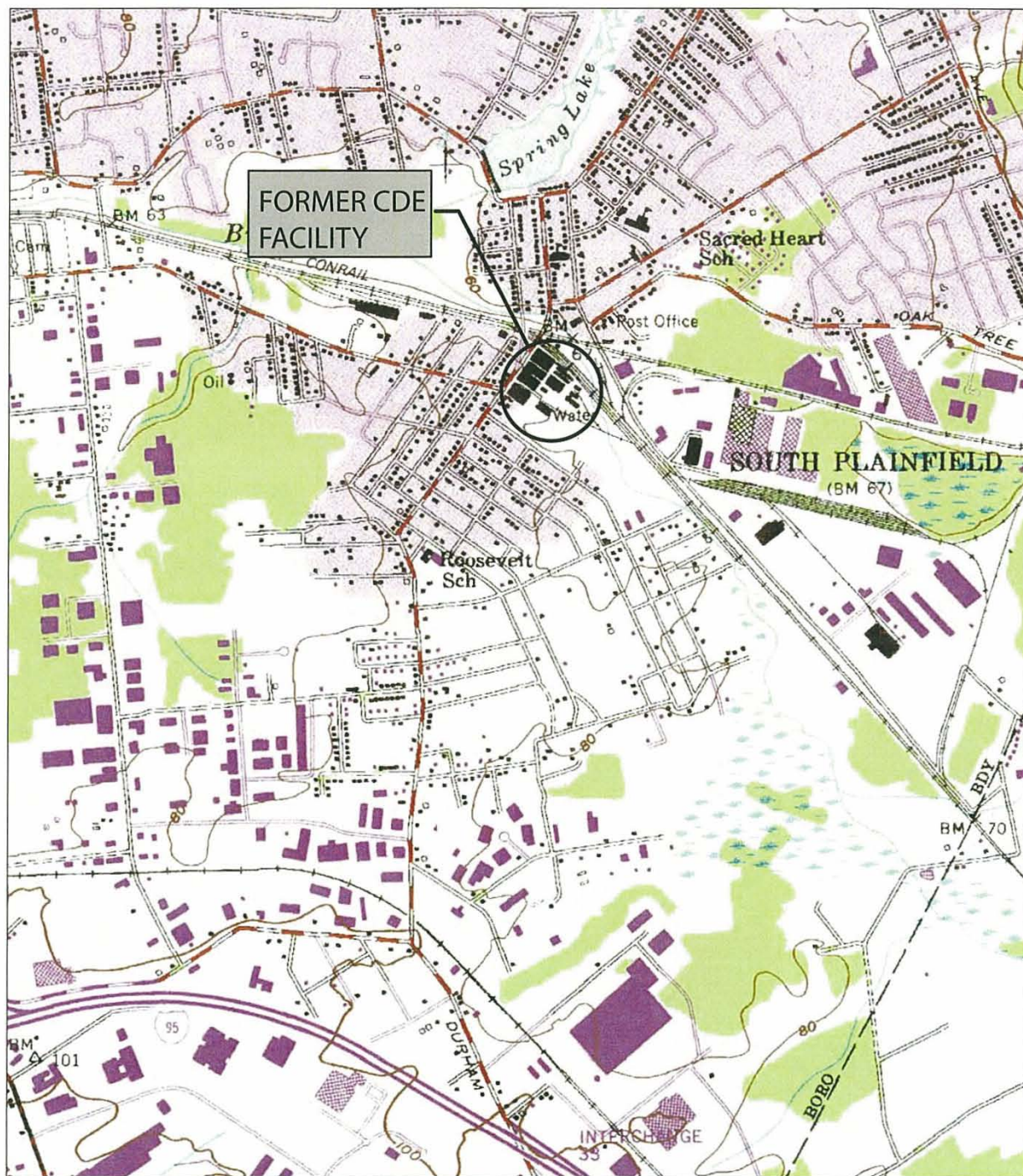
Table 5-21
Concentration of PCE and TCE in Park Avenue Wellfield Treatment Plant (2002-2005)
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

Date	TRICHLOROETHYLENE	TETRACHLOROETHYLENE
6/11/2002	1.4	4.8
6/27/2002	1.3	3.2
7/11/2002	1.3	3.4
7/25/2002	1.3	3.6
8/8/2002	1.3	3.8
8/22/2002	1.3	3.6
9/5/2002	1.2	3
9/19/2002	1.3	4.2
10/3/2002	1.2	3.2
10/17/2002	1.1	3.9
10/31/2002	1.4	3.6
11/14/2002	1.4	3.7
11/27/2002	1.2	2.7
12/12/2002	1.4	3.8
12/26/2002	1.4	3.3
1/9/2003	1.4	3.6
1/23/2003	1.4	3.9
2/6/2003	1.4	3.4
2/20/2003	1.4	3.6
3/6/2003	1.4	3.7
3/20/2003	1.5	3.8
4/3/2003	1.2	3.1
4/17/2003	1.2	3.4
6/12/2003	1.2	2.9
6/26/2003	1.3	3.4
7/8/2003	1.4	3.8
7/10/2003	1.4	3.8
7/24/2003	1.4	3.3
8/7/2003	1.3	3.8
8/21/2003	1.2	3.7
9/4/2003	1	3.7
9/18/2003	1.2	2.6
10/2/2003	1.2	3.3
10/16/2003	1.1	3
10/30/2003	1.3	3.2
11/13/2003	1	2.8
11/26/2003	0.9	2.3
12/11/2003	1.2	2.8
12/23/2003	1.1	2.6
1/8/2004	1	2.9
1/22/2004	1.2	2.6
2/5/2004	1.2	2.6
2/19/2004	1.4	3.2
3/4/2004	1.3	3
3/18/2004	1.2	2.9
4/1/2004	1.4	3
4/15/2004	1.3	3.1
4/29/2004	1.5	3.4
5/13/2004	1.4	3.4
5/27/2004	1.8	3.2
6/10/2004	1.3	3.4
6/24/2004	1.4	3.3
7/8/2004	1.4	3.5
7/22/2004	1.2	3.4
8/5/2004	1.6	4.3
8/17/2004	0.9	2.1
9/2/2004	1.2	3.5
9/16/2004	1.8	4.2
9/30/2004	1.4	3.1
10/14/2004	1.5	3.3
10/28/2004	1.2	2.9
11/10/2004	1.3	3
11/24/2004	1.4	2.9
12/9/2004	1	2.9
12/23/2004	1.4	2.9
1/6/2005	1.2	2.6
1/20/2005	1.4	3
2/3/2005	1.6	3.5
2/17/2005	1.5	3.1
3/3/2005	1.4	2.8
3/17/2005	1.3	3.6
3/31/2005	1.7	3.8

Data provided by the Middlesex water Company in March 2012
concentration are in ug/L

R2-0002679

FIGURES



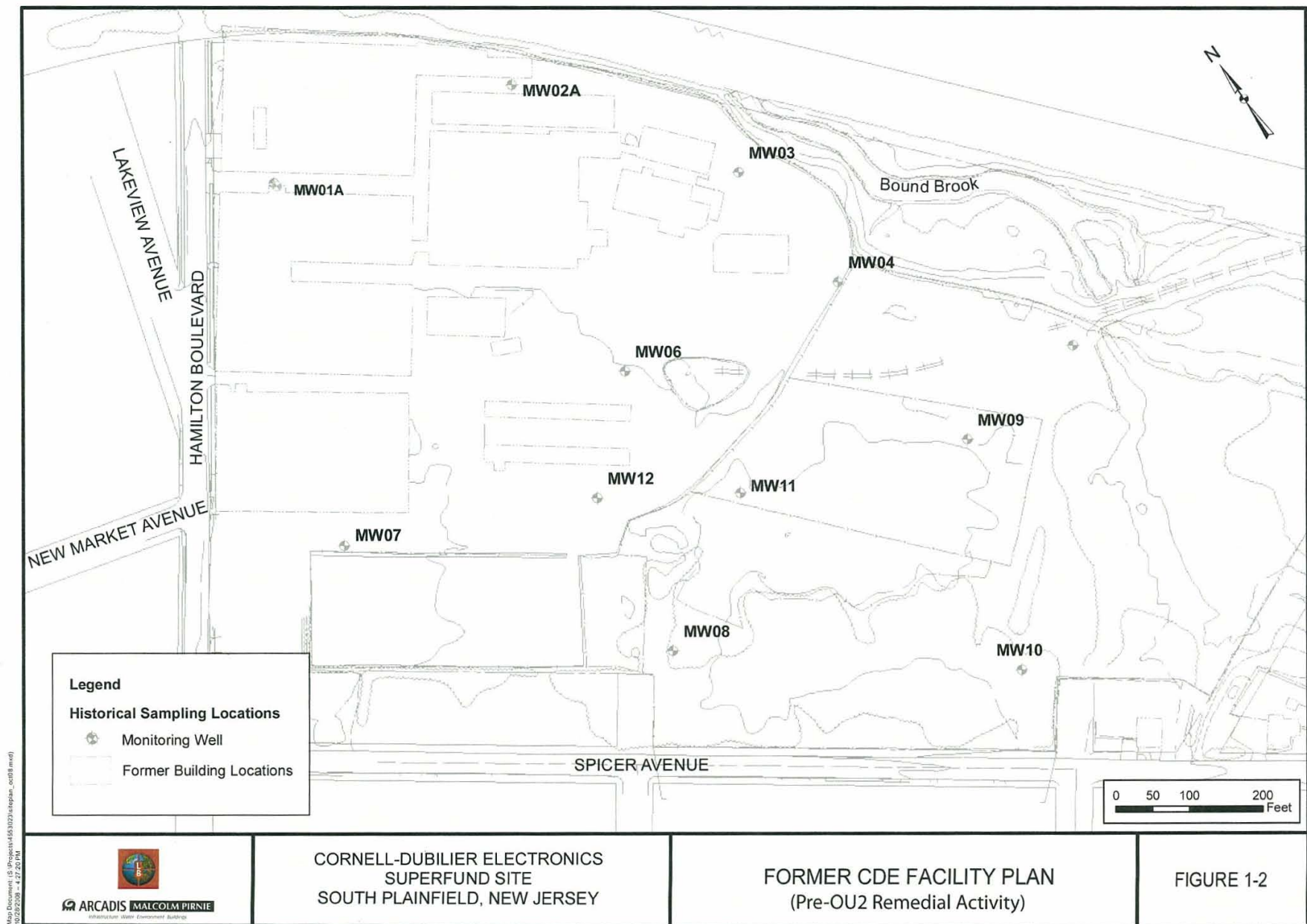
SOURCE: U.S.G.S. TOPOGRAPHIC MAP,
7.5 MINUTE SERIES, PLAINFIELD, NEW JERSEY
QUADRANGLE, 1955, PHOTOREVISED 1981



Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

FORMER CDE FACILITY
LOCATION MAP

FIGURE 1-1



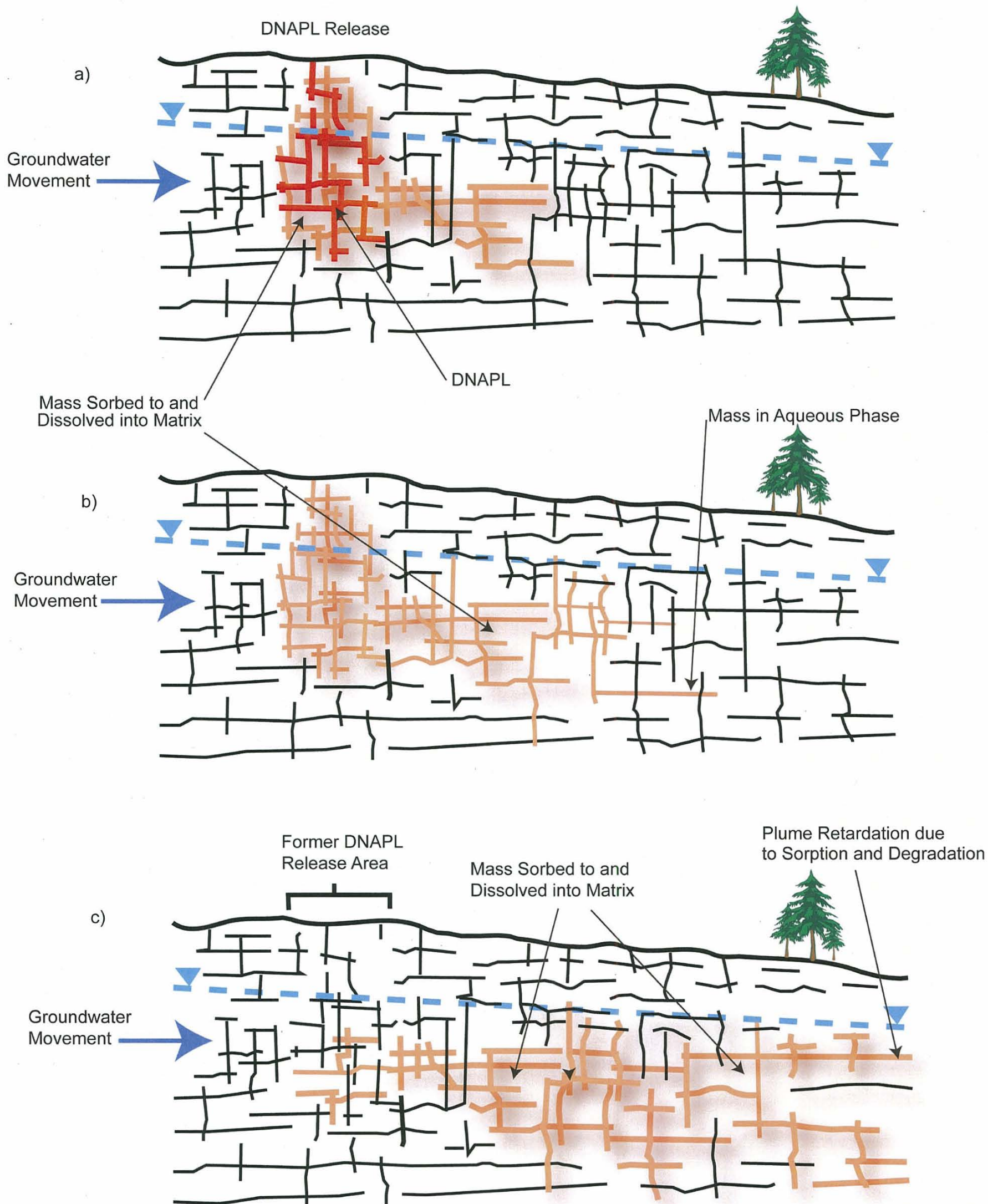
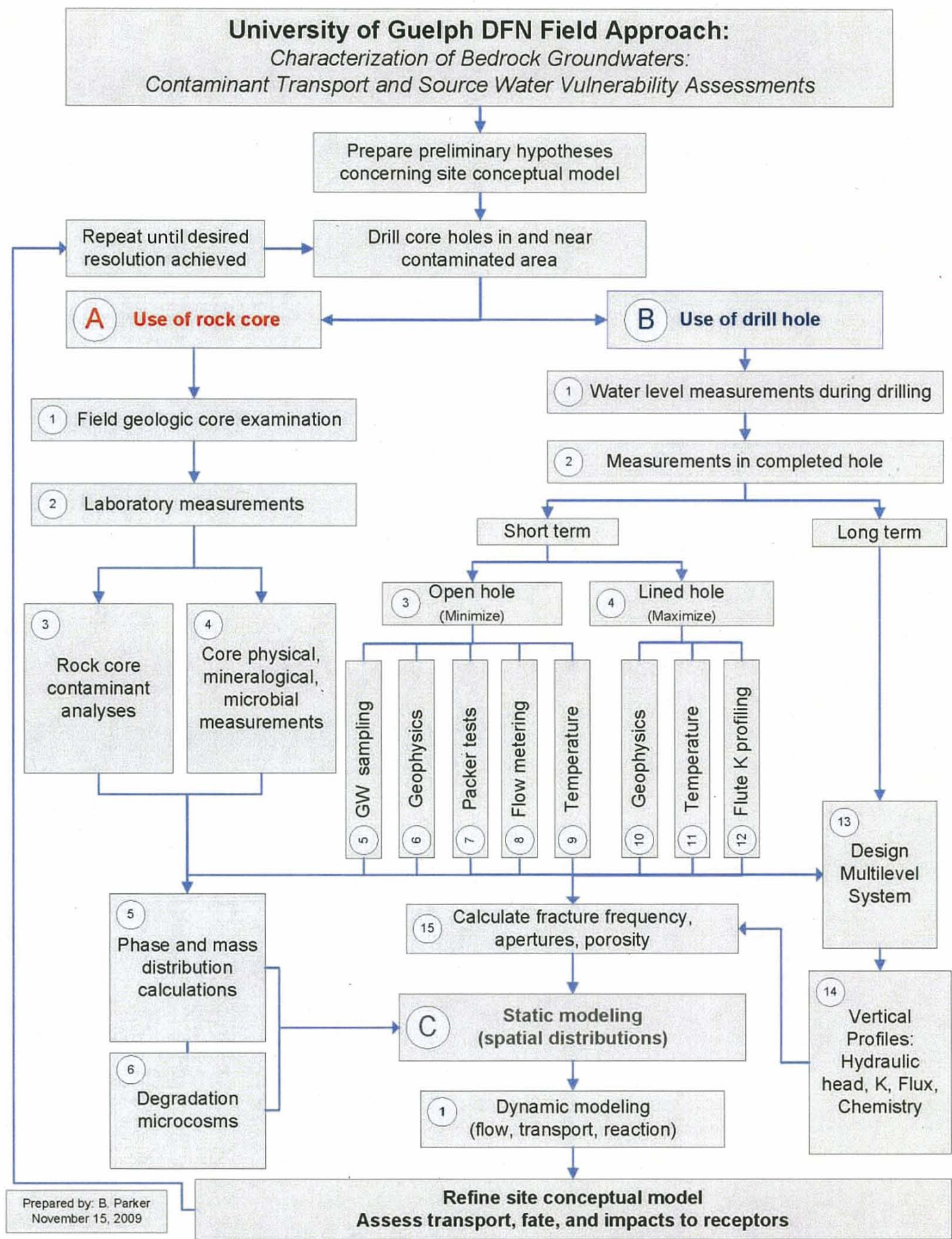


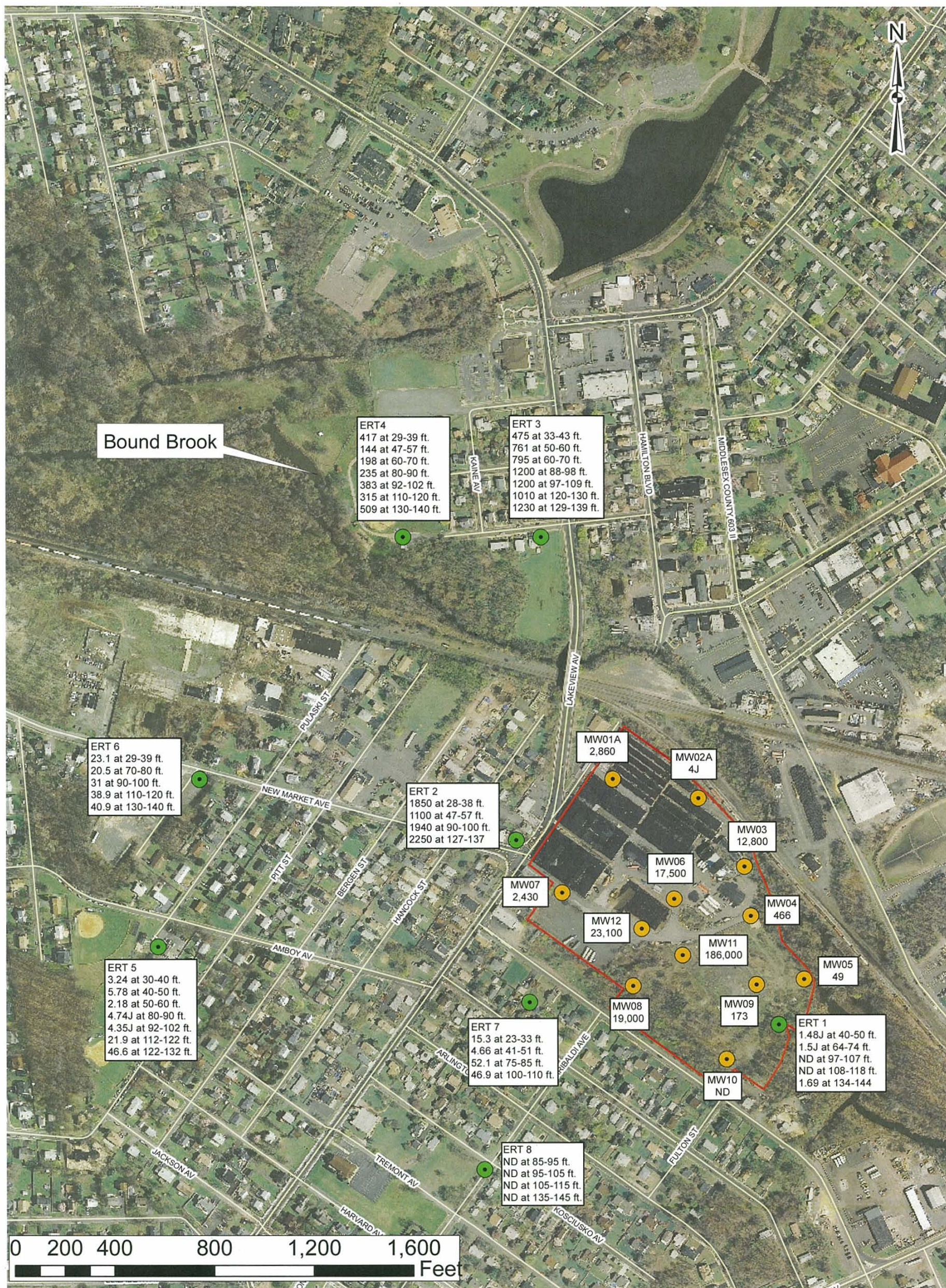
Illustration of the conceptual stages in the evolution of a chlorinated solvent DNAPL release in fractured sedimentary bedrock over time: a) DNAPL flows into the fracture network and begins to dissolve and diffuse into the rock matrix; b) All DNAPL mass has dissolved, and the majority of contaminant mass has diffused into the rock matrix or sorbed onto fracture surfaces; c) Groundwater movement through the fracture network has redistributed the source mass downgradient, the source zone concentrations are decreasing and the plume front is approaching stability. Diffusion, sorption, and degradation continue to affect long term plume stability. (adapted from Parker et al. 2010)

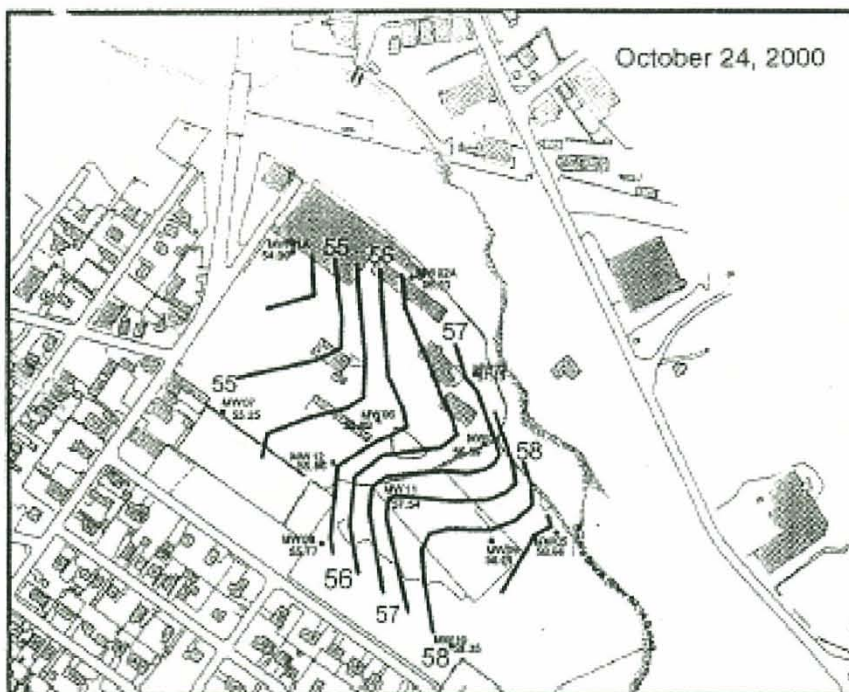
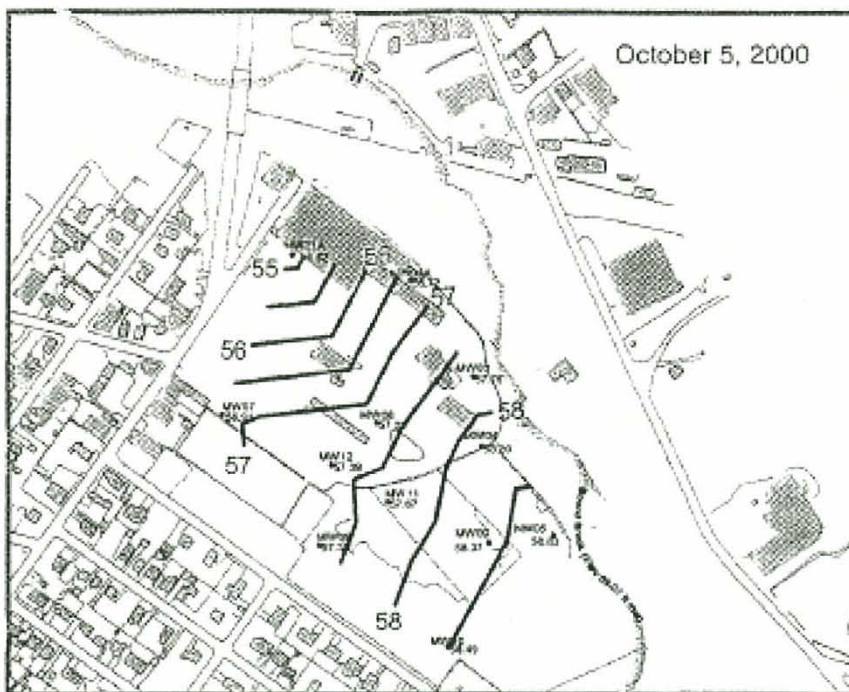




The Discrete Fracture Network Approach (DFN) idealized investigation flow chart used to for the characterization of fractured bedrock environments

Map Document: G:\project\4530358\GIS\MapDocs\Cornell_Dublier_TCE_Map_All_Depths.mxd, 4/23/2012 -- 2:09:26 PM





Source: Foster Wheeler
Data Evaluation Report
March 2001

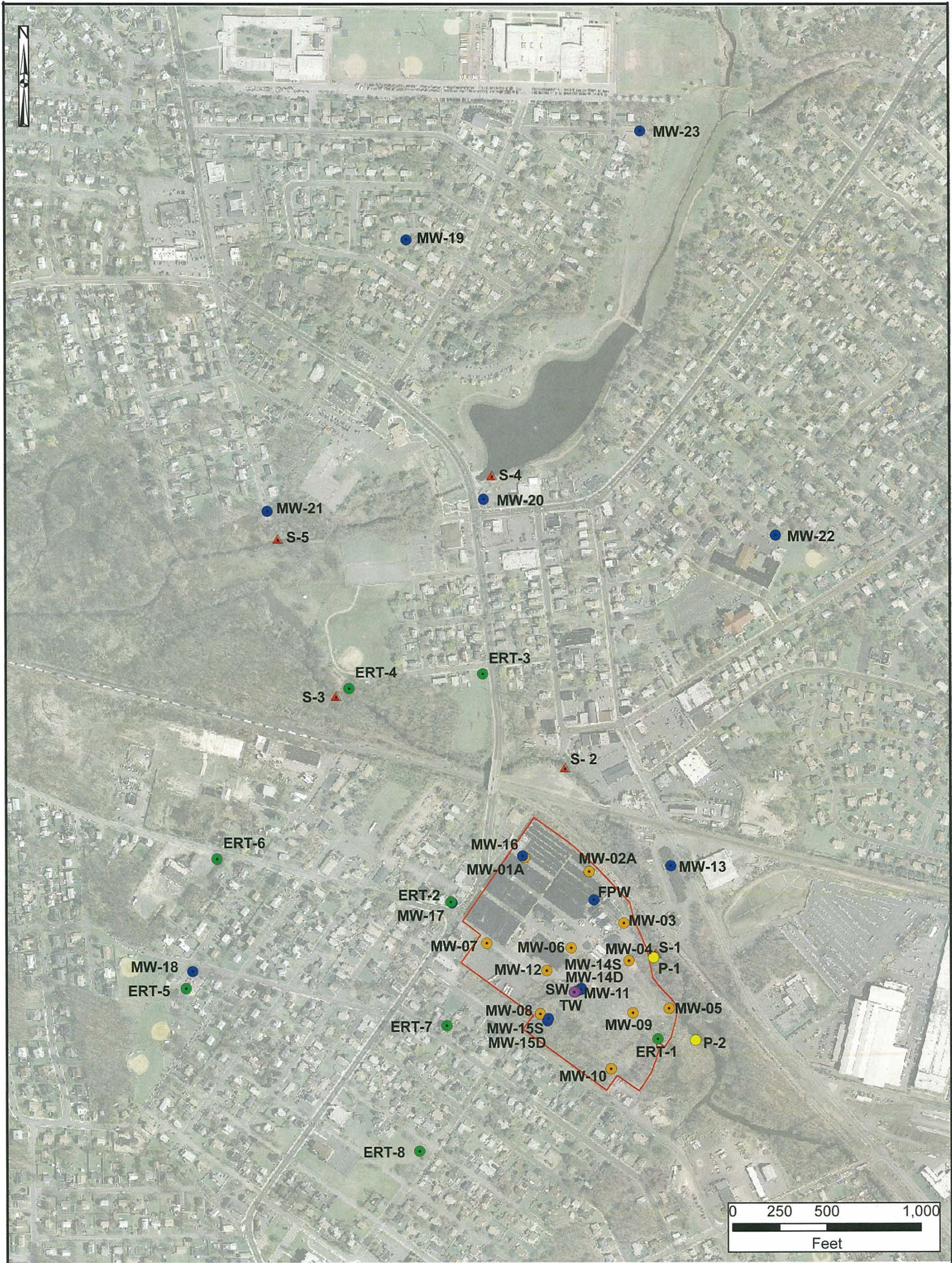


Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

Bedrock Aquifer
Potentiometric Surfaces

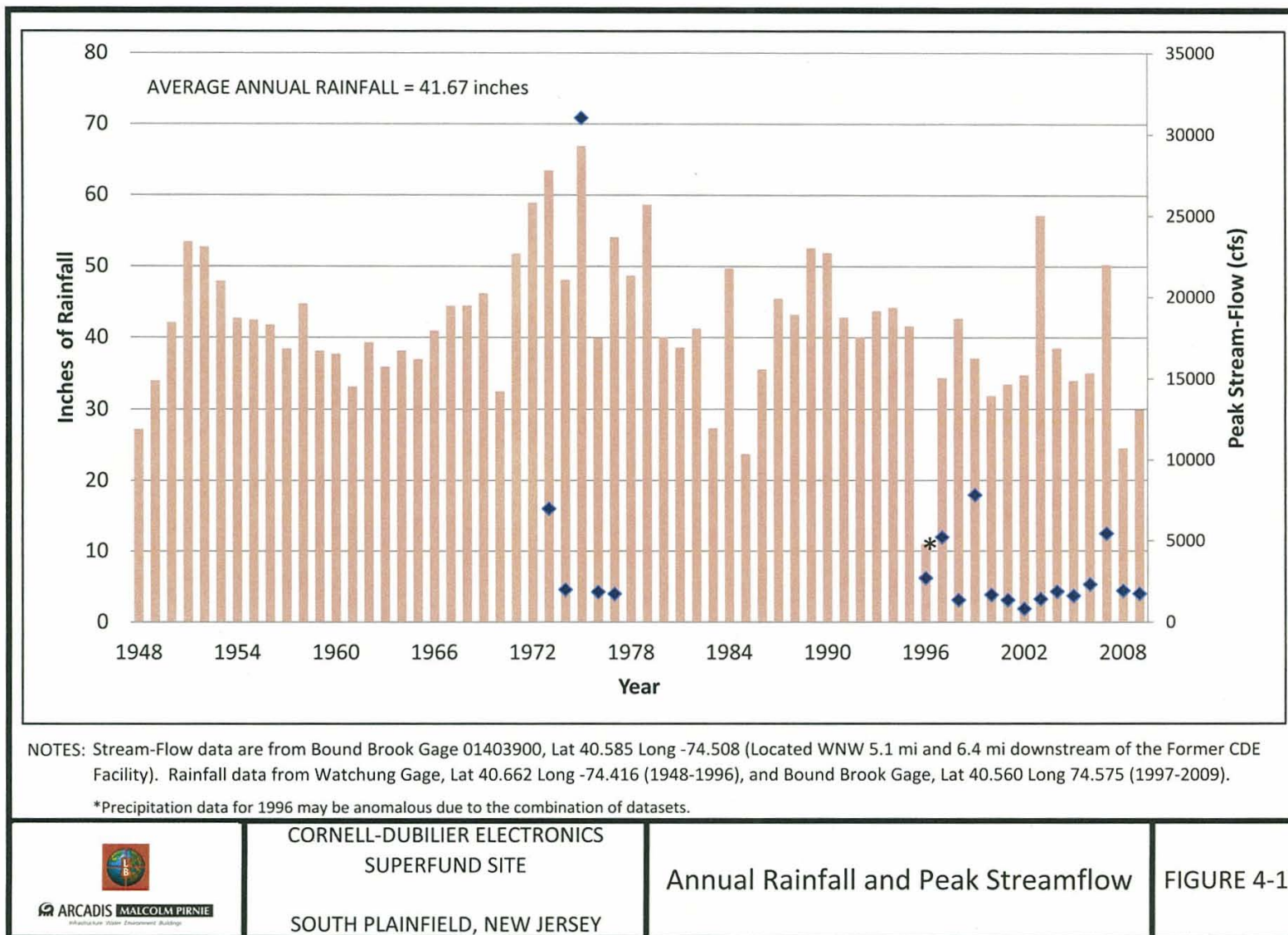
Figure 2-2

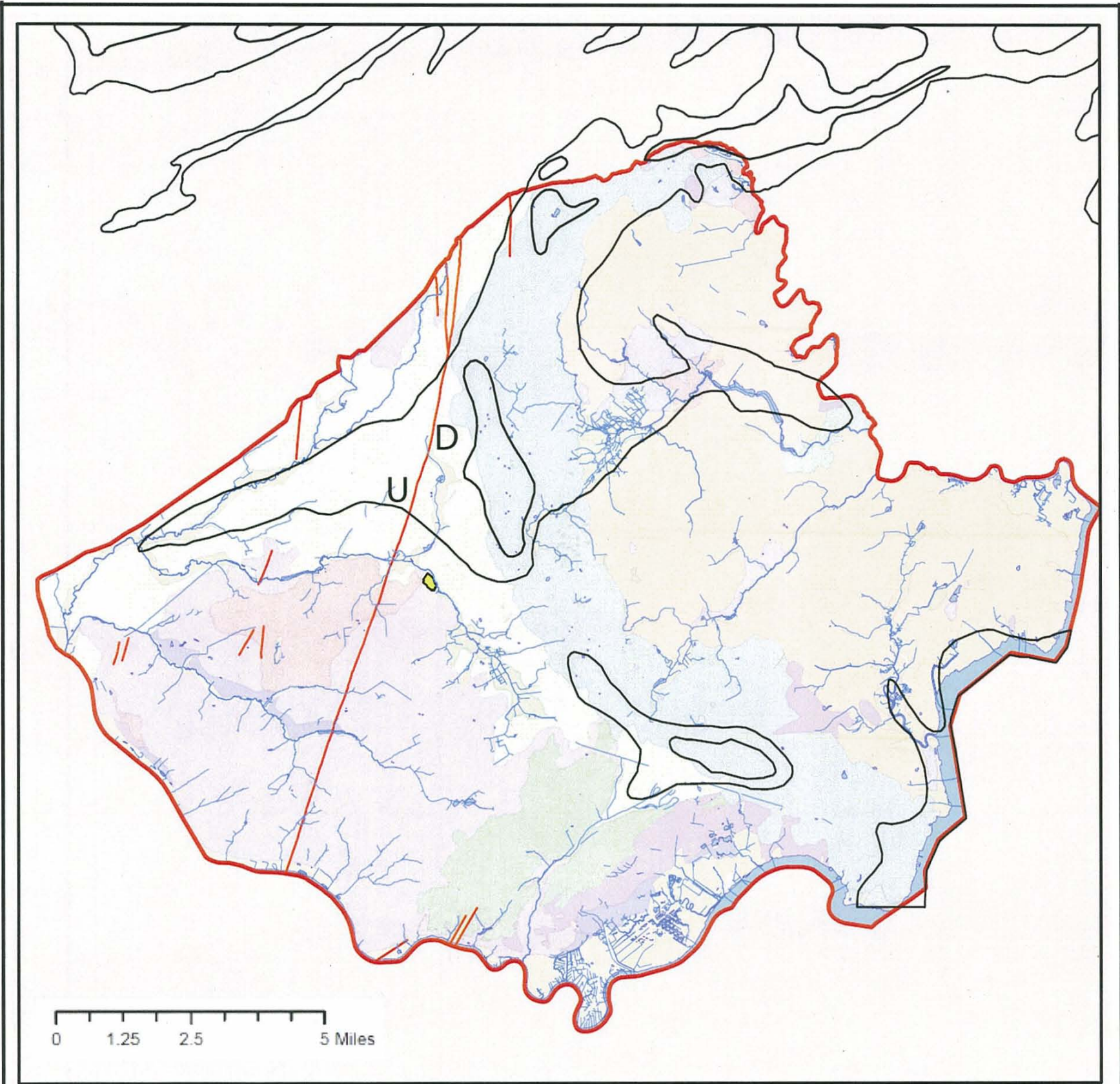
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- Legend**
- | | | | |
|---------------------|---------------------------------|------------|------------|
| Former CDE Facility | 2009-2010 Flute™ Well | Test Well | Piezometer |
| 2008 Flute™ Well | Shallow Bedrock Monitoring Well | Staff Gage | |

 <p>ARCADIS MALCOLM PIRNIE Infrastructure Water Environment Buildings</p>	<p>Cornell-Dubilier Electronics Superfund Site</p> <p>South Plainfield, New Jersey</p>	<p>Monitoring Well, Test Well, Piezometer, and Staff Gage Locations</p>	<p>FIGURE 3-1</p>
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LEGEND

Qal	Quaternary alluvium
Qbs	Beach and near-shore deposits
Qcb	Basalt colluvium
Qe	Eolian (wind blown) deposits
Qmm	Salt marsh and estuarine deposits
Qs	Swamp and marsh deposits
Qtl	Lower terrace deposits
Qtu	Upper terrace deposits
Qwb	Weathered basalt
Qwcp	Weathered coastal plain

Qwde	Deltaic deposits
Qwf	Glacial-fluvial deposits
Qwfv	Glacial-fluvial plain deposits
Qwic	Ice-contact deposits
Qwlb	Lake bottom deposits
Qwmtr	Terminal moraine deposits
Qws	Weathered shale
Qwtr	Raritan Till
Tp	Pennsauken Formation

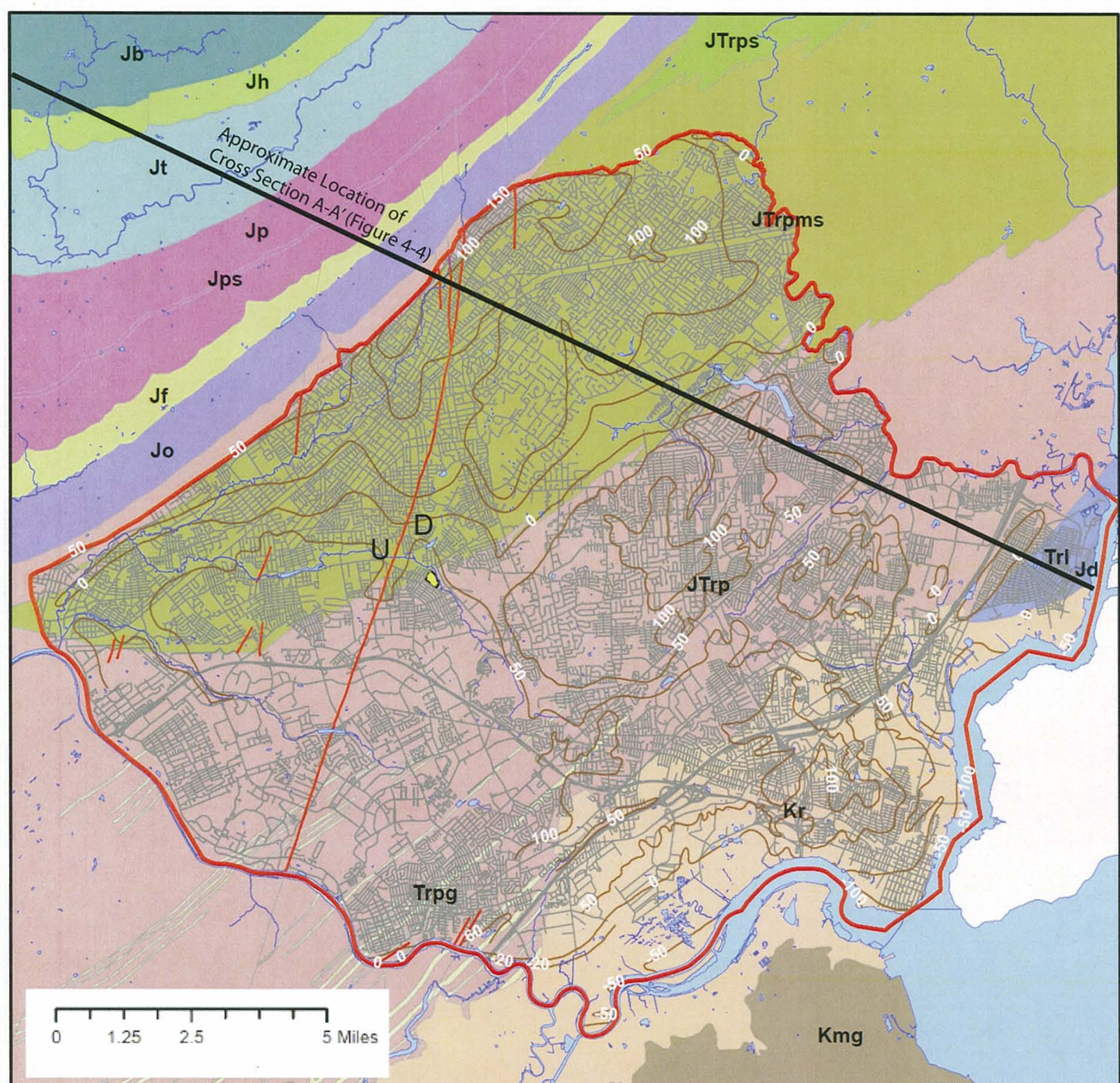
—	Faults in domain
■	Former CDE Facility
□	50' interval sed thick
□	Model Domain





















Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

Regional Surficial Geology

Figure 4-2



LEGEND

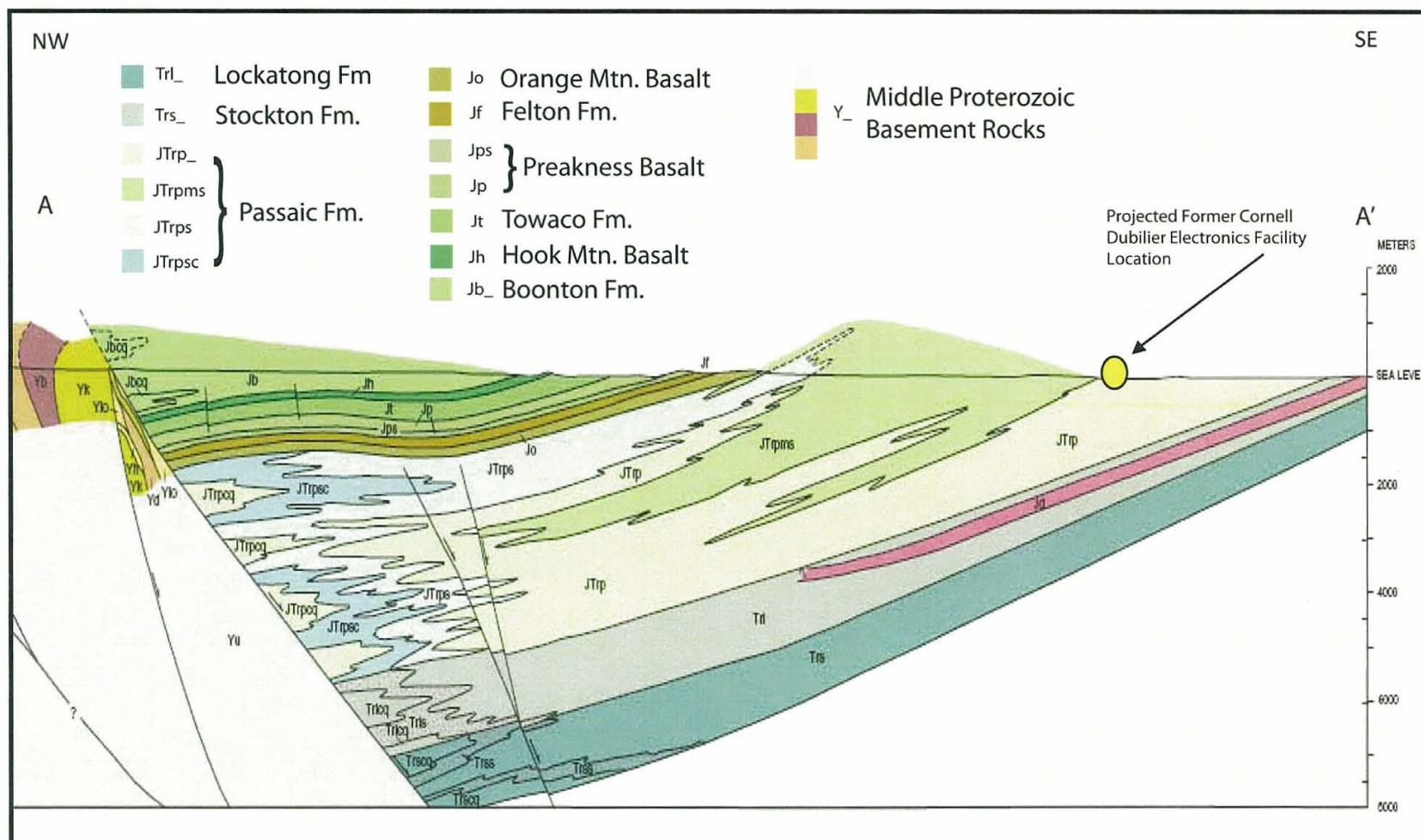
-  Kmg Magothy Fm
 Kr Raritan Fm
 Trl_ Lockatong Fm
 JTrp_
 JTrpms
 JTrps
 Trpg
  Passaic Fm.
-  Jo Orange Mtn. Basalt
 Jf Felton Fm.
 Jps
 Jp } Preakness Basalt
 Jt Towaco Fm.
 Jh Hook Mtn. Basalt
 Jb_ Boonton Fm.
-  Model Domain
 Faults in domain
 Former CDE Facility
 Bedrock Surface



Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

Regional Bedrock Geology

Figure 4-3



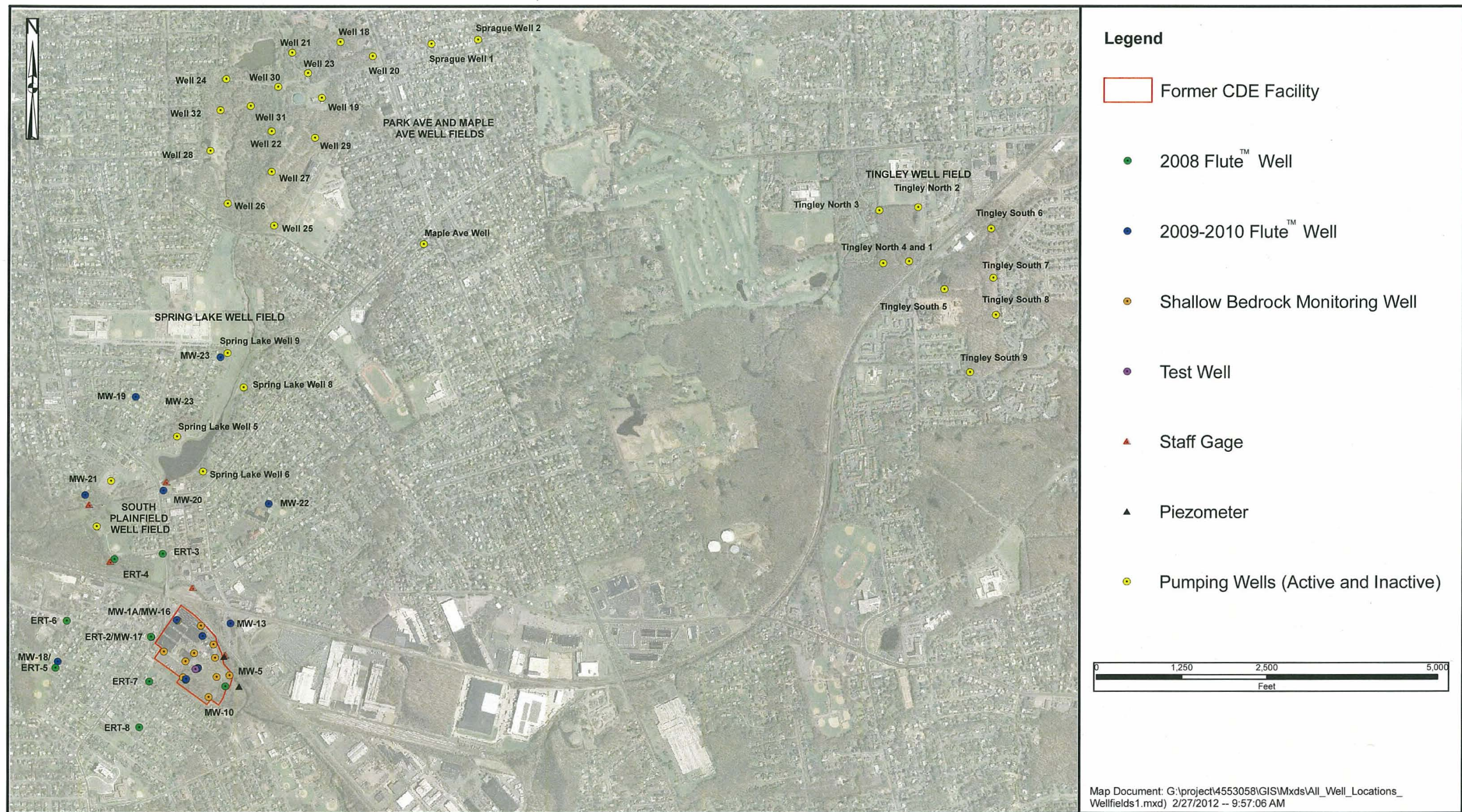
Source: NJDEP GIS Database



Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

Cross-Section of a Selected Portion
of the Newark Basin

FIGURE 4-4



SITE HISTORY
333 HAMILTON BOULIVARD
SOUTH PLAINFIELD, NJ

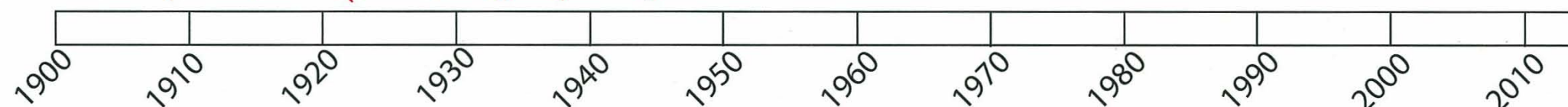
HISTORY
OF
TRICHLOROETHENE

Spicer Manufacturing

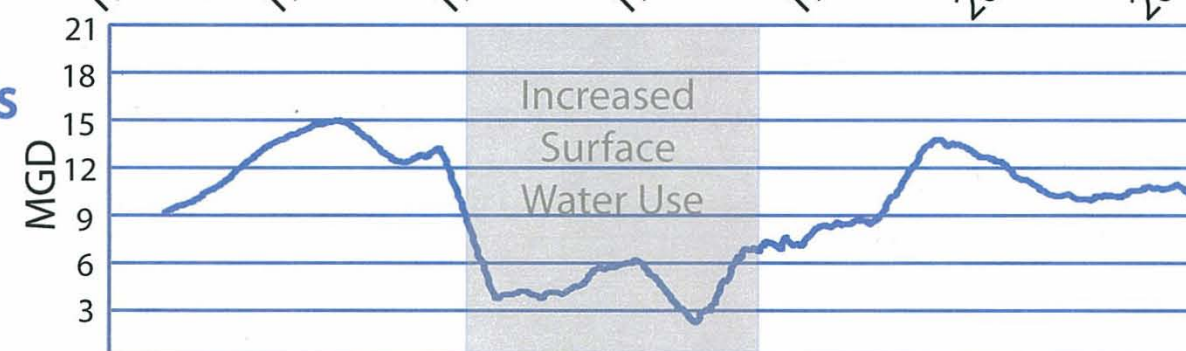
CDE Manufacturing

Commercial/Light Industrial

First Commercial
Production by ICI
Food Processes
Domestic (US)
Production of TCE
Boot Polish
Vapor Degreasing
Medial Therapy
Dry Cleaning

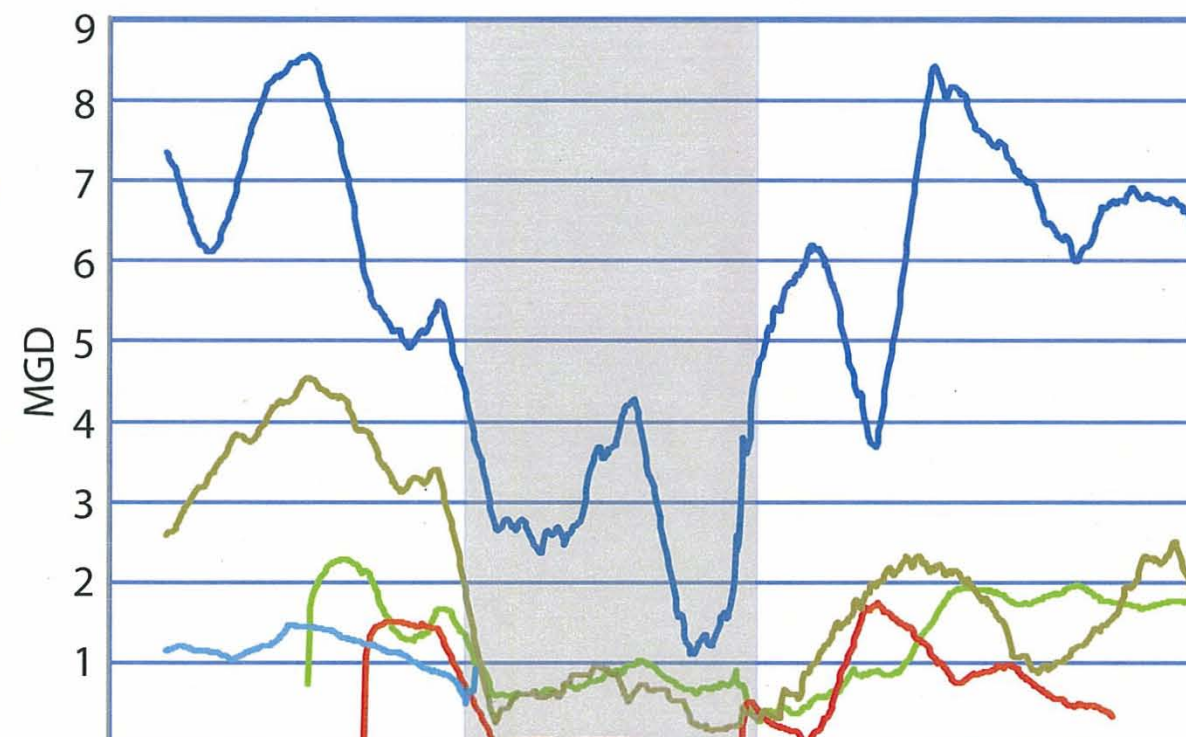


Total Documented Groundwater Withdrawals from All Wellfields in Study Area

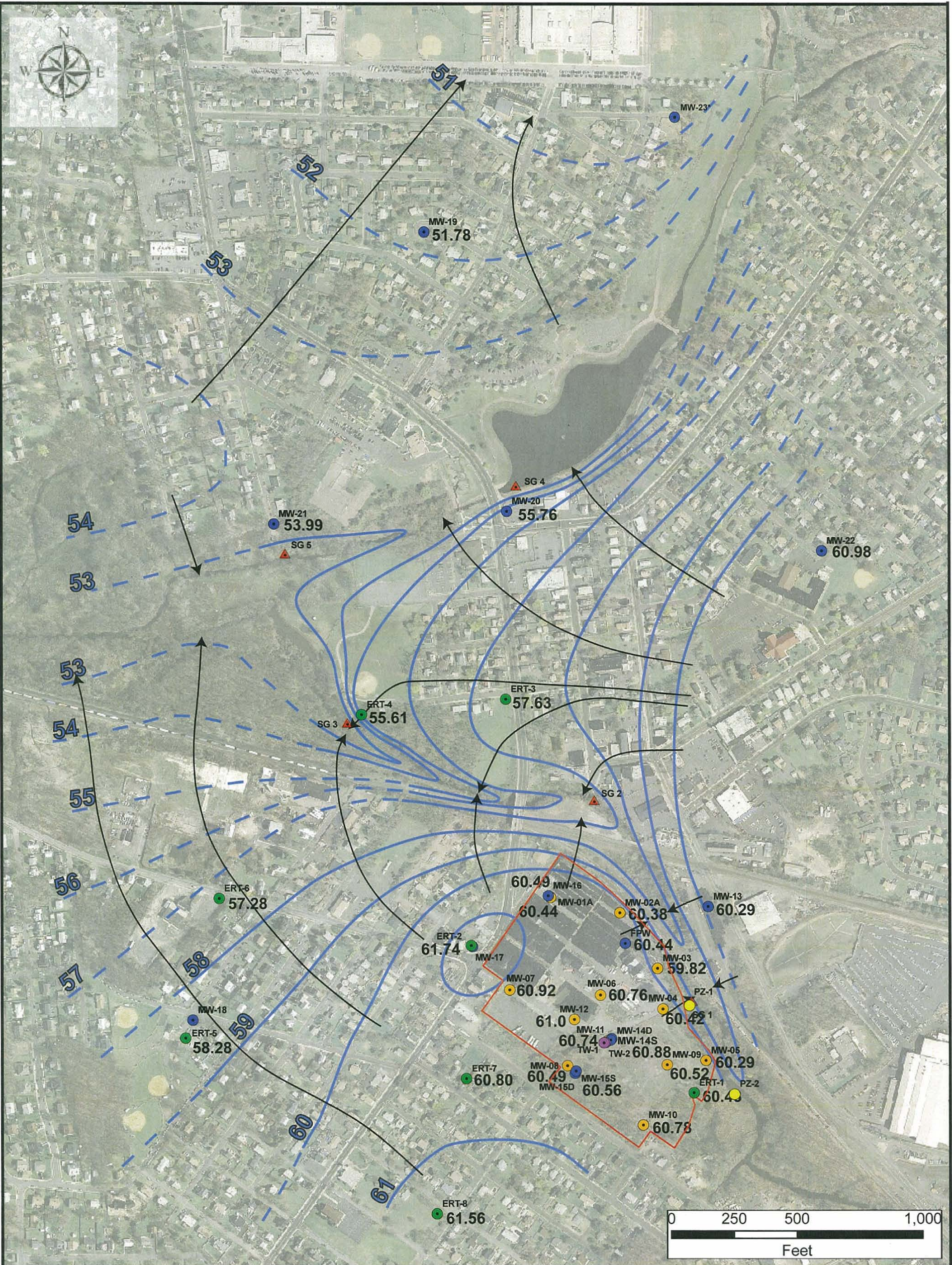


Individual Documented Groundwater Withdrawals from Wellfields in Study Area (poorly documented or undocumented withdrawals not depicted)

- Park Avenue
- Tingley Lane
- Sprague
- Spring Lake
- South Plainfield



Note: All groundwater withdrawals shown
are 36 month moving averages



Legend

- Former CDE Facility
- 2008 Flute™ Well
- Test Well
- Piezometer
- Shallow Bedrock Monitoring Well
- 2009 Flute™ Well
- Staff Gage
- Direction of Groundwater Movement

*Note: MW-23 installed and sampled in December 2010, March 2011

61.36 Groundwater Elevation (msl)

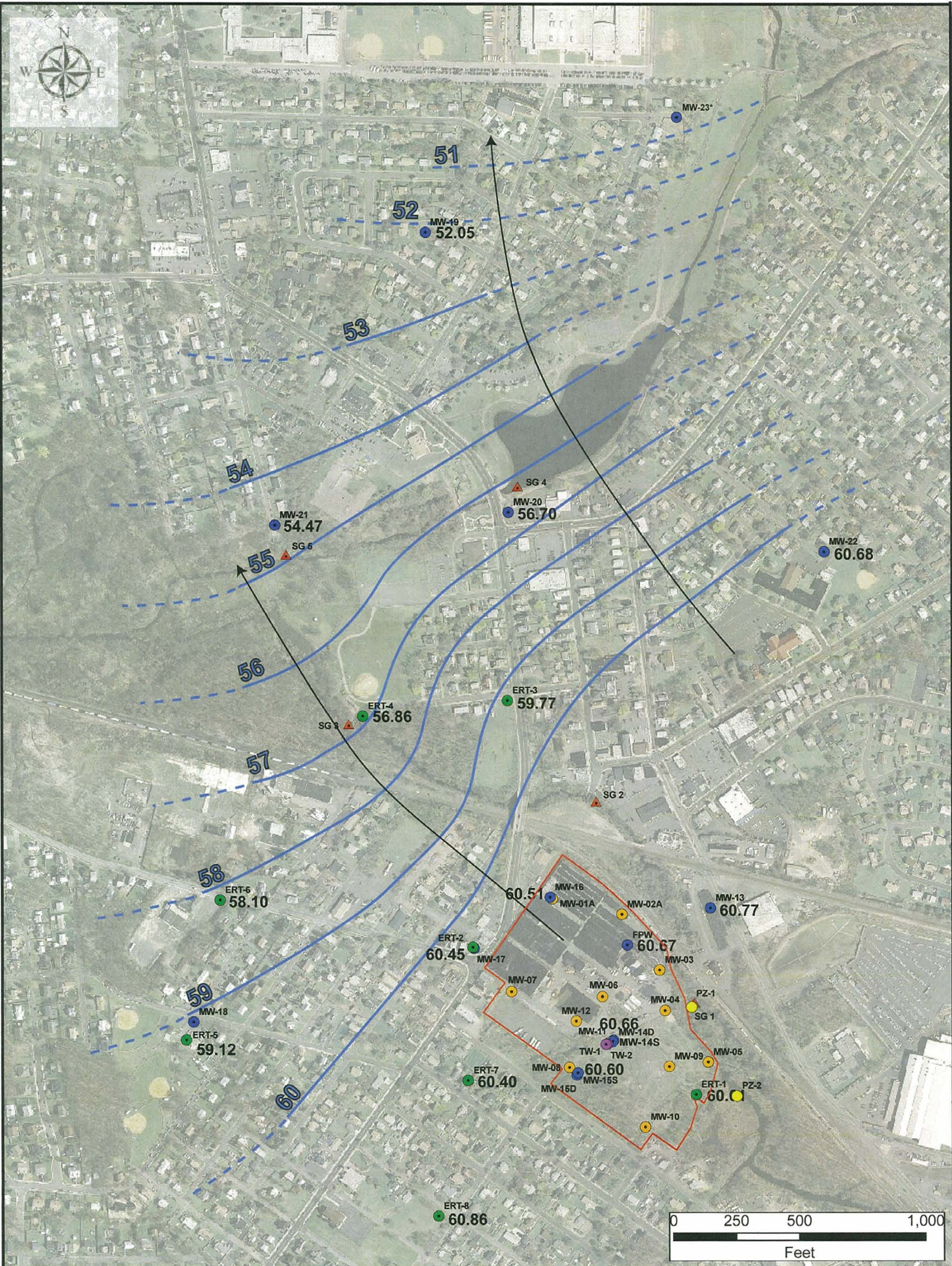
61 Line of Equal Groundwater Elevation (ft msl) (dashed where inferred)



Cornell-Dubilier Electronics
Superfund Site - OU3
South Plainfield, New Jersey

Potentiometric Surface of Shallow
(0' - 120' bgs) Water Bearing Zone
July 9, 2010

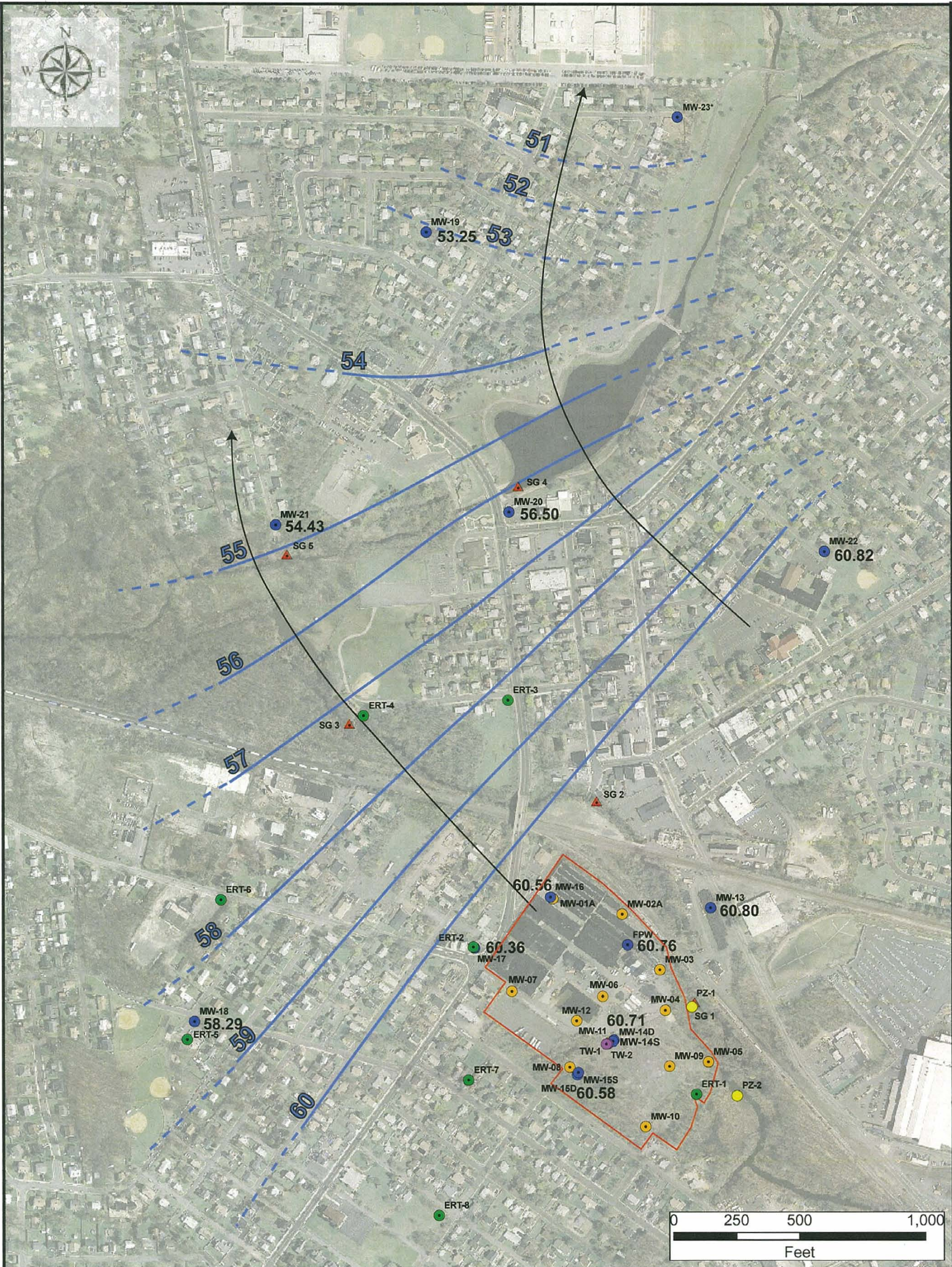
Figure 4-8



Cornell-Dubilier Electronics
Superfund Site - OU3
South Plainfield, New Jersey

Potentiometric Surface of Intermediate
(120'-160' bgs) Water Bearing Zone
July 9, 2010

FIGURE 4-9



Legend

- Former CDE Facility
- 2008 Flute™ Well
- Test Well
- Piezometer
- Shallow Bedrock Monitoring Well
- 2009 Flute™ Well
- ▲ Staff Gage
- Direction of Groundwater Movement

*Note: MW-23 installed and sampled in December 2010, March 2011

61.36 Groundwater Elevation (msl)

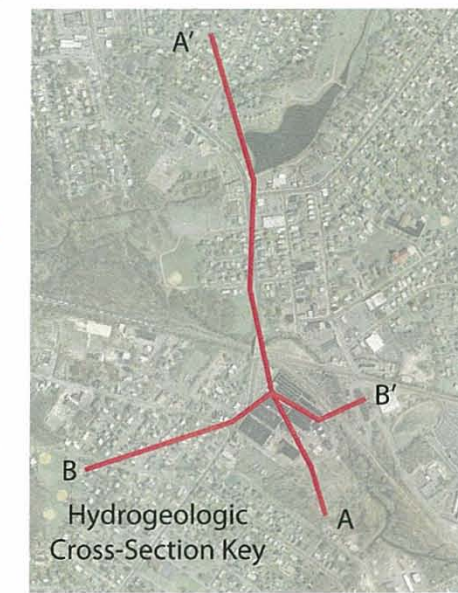
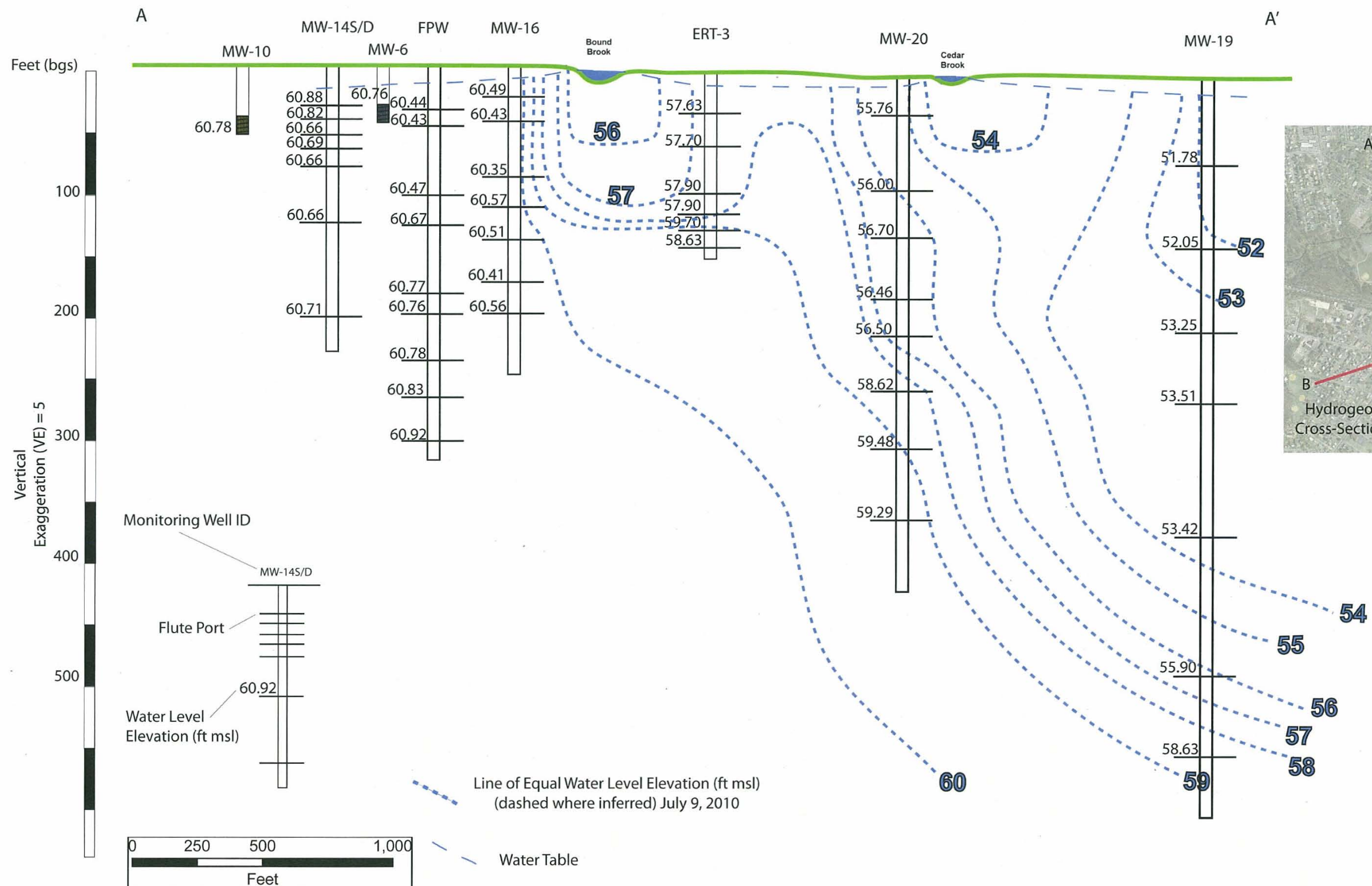
61 Line of Equal Groundwater Elevation (ft msl) (dashed where inferred)

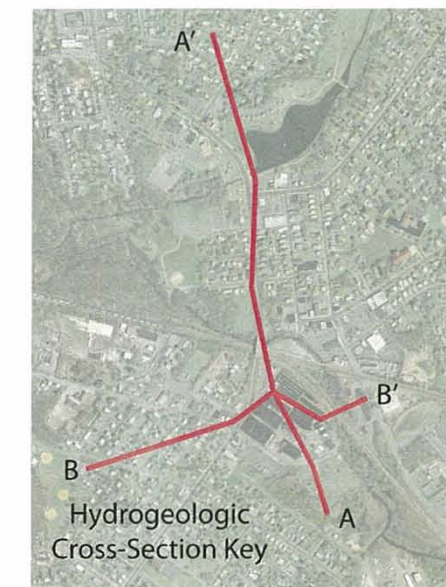
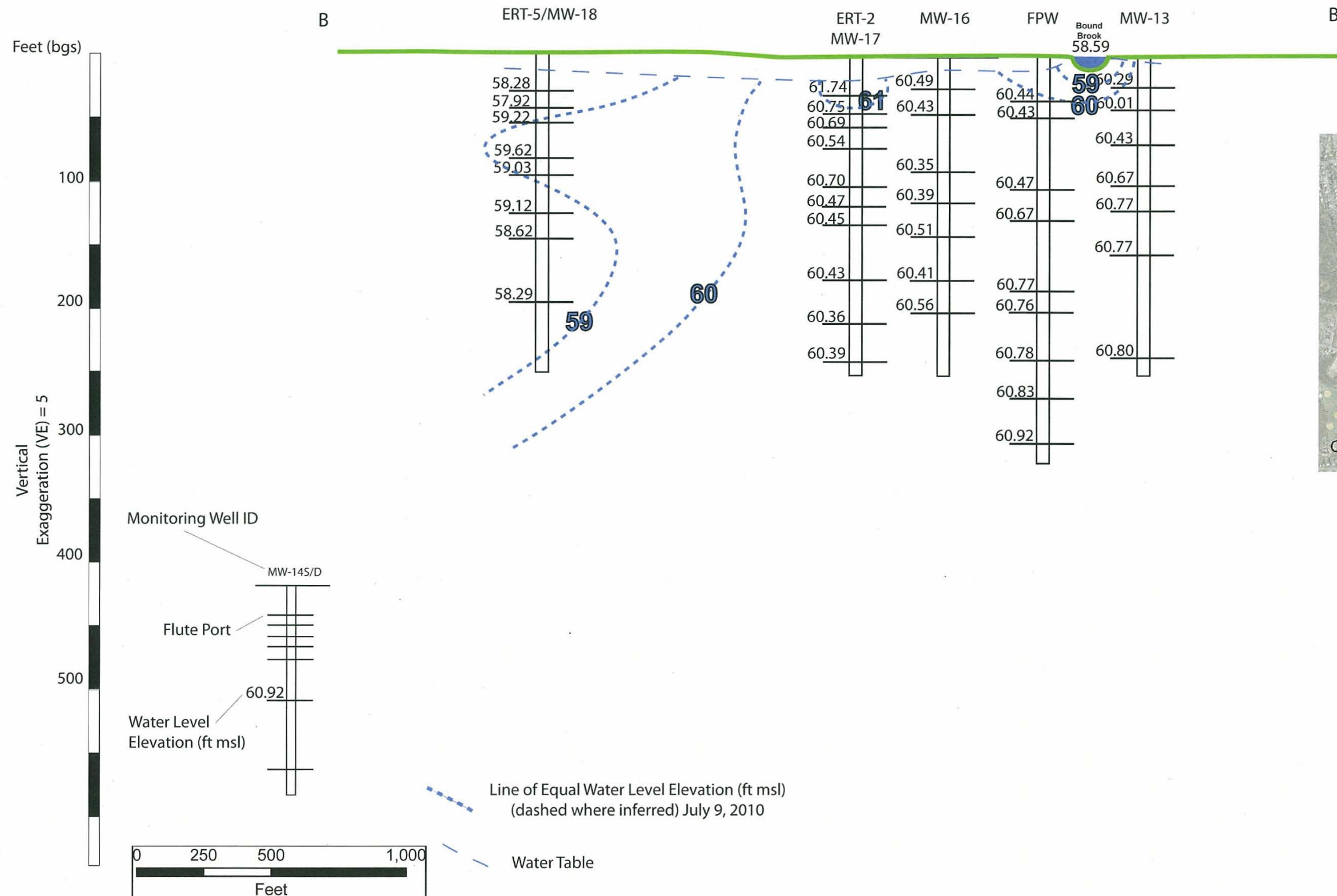


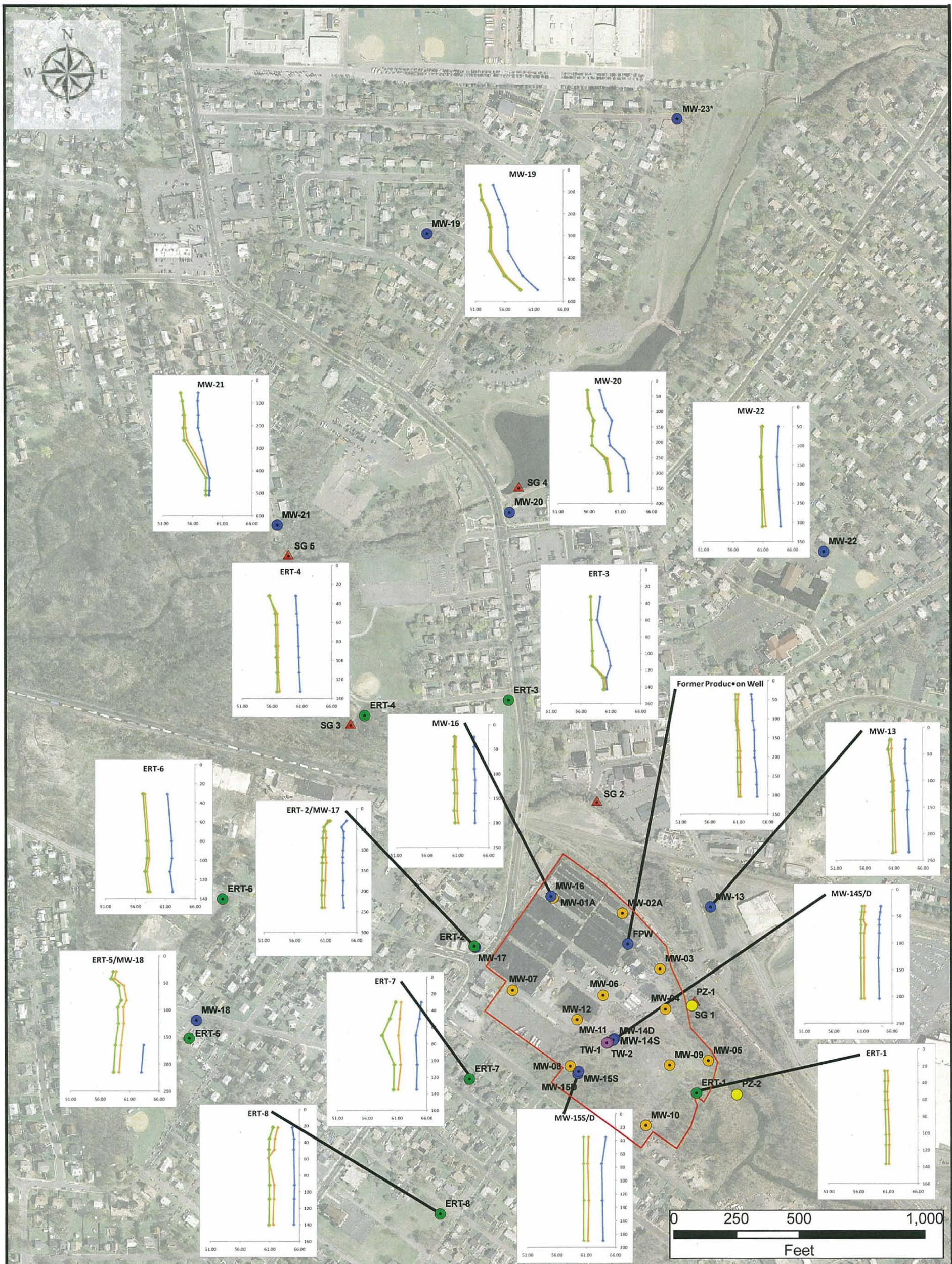
**Cornell-Dubilier Electronics
Superfund Site - OU3**
South Plainfield, New Jersey

**Potentiometric Surface of Deep
(200' - 240' bgs) Water Bearing Zone**
July 9, 2010

FIGURE 4-10



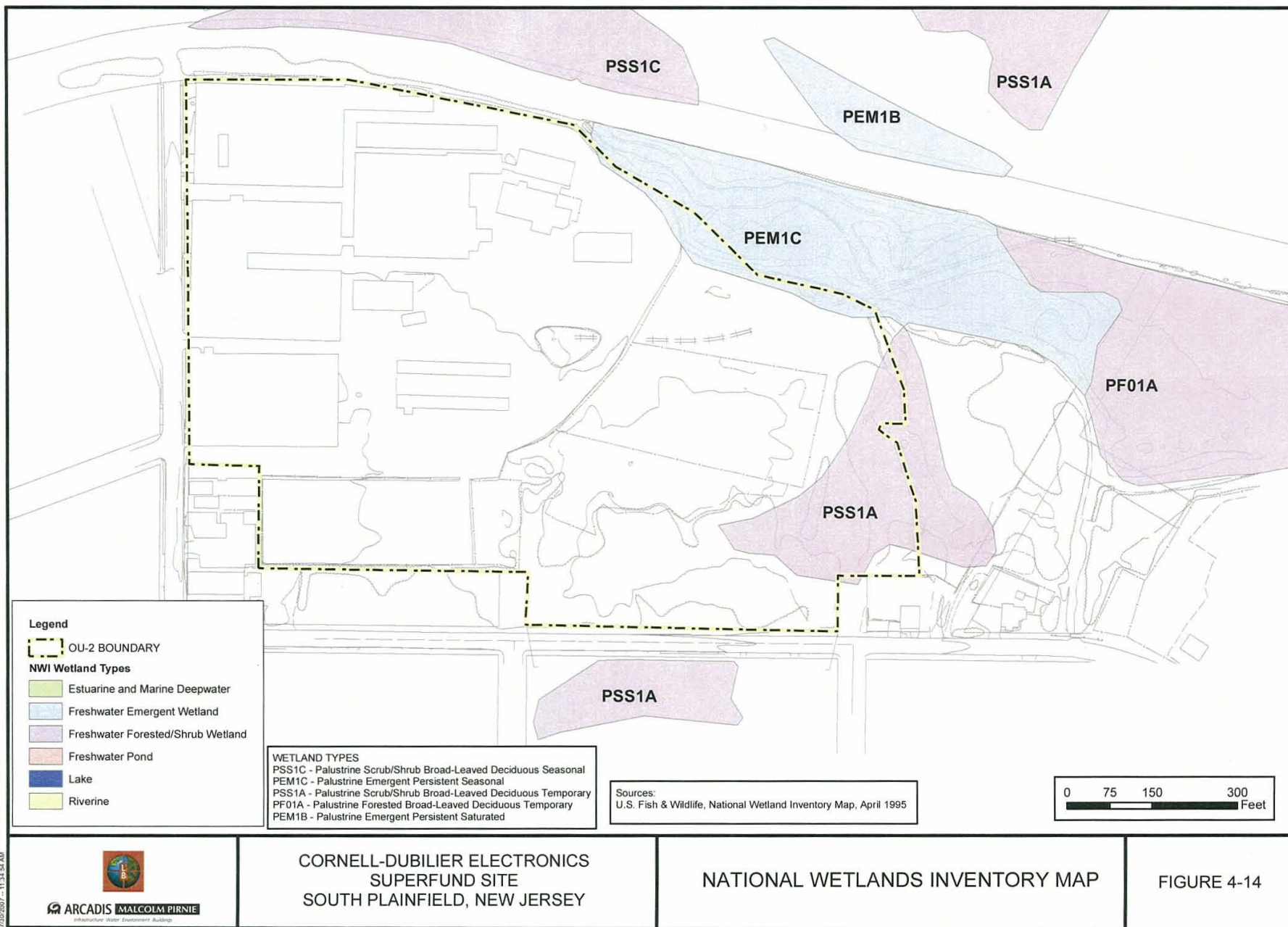




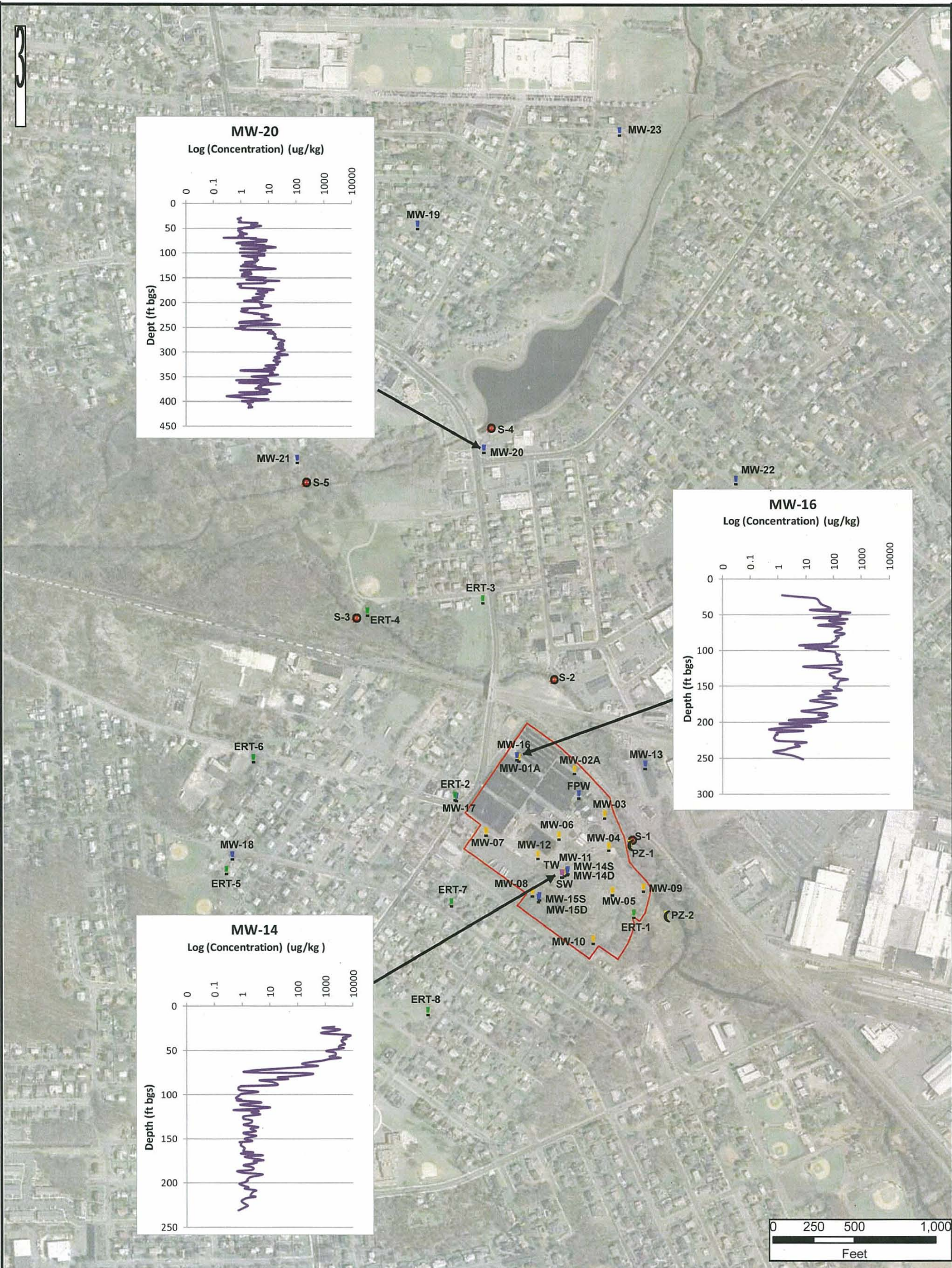
Legend

- Former CDE Facility
- 2008 Flute™ Well
- Test Well
- Piezometer
- Shallow Bedrock Monitoring Well
- 2009 Flute™ Well
- ▲ Staff Gage
- Rnd 1 Vertical Head Oct 2009
- Rnd 2 Vertical Head Mar 2010
- Rnd 3 Vertical Head Jul 2010

*Note: MW-23 installed and sampled in December 2010, March 2011




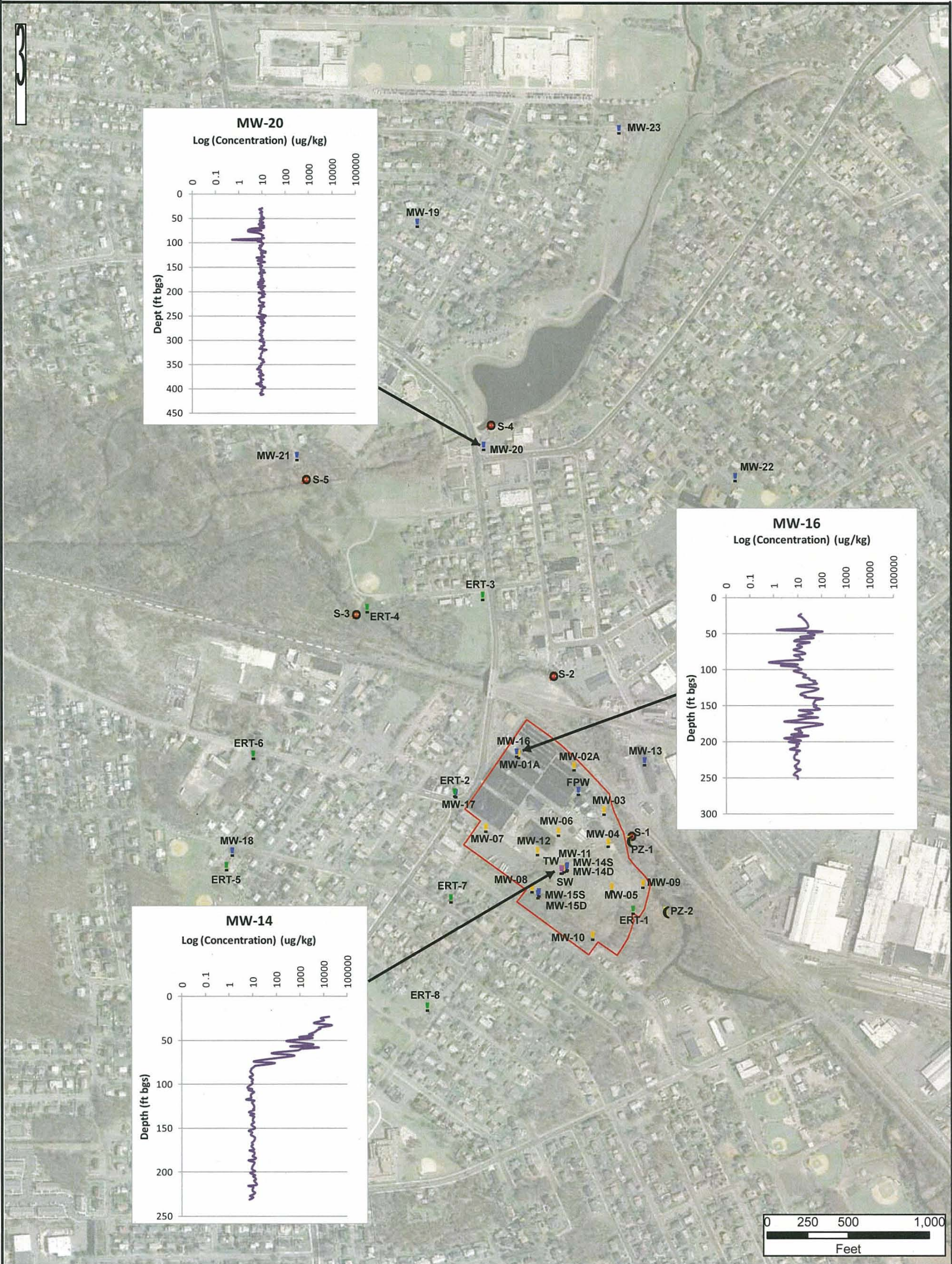
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1/17/2012 -- 10:40:06 AM



LEGEND

- | | | |
|-----------------------------------|--------------|---|
| ■ 2008 Flute™ Well | ■ Test Well | □ Former CDE Facility |
| ■ 2009-2010 Flute™ Well | ● Staff Gage | — Rock Matrix Diffusion TCE Concentration (ug/kg) |
| ■ Shallow Bedrock Monitoring Well | ○ Piezometer | |

 <p>ARCADIS MALCOLM PIRNIE Infrastructure Water Environment Buildings</p>	<p>Cornell-Dubilier Electronics Superfund Site South Plainfield, New Jersey</p>	<p>Rock Matrix Trichloroethene Concentrations</p>	<p>FIGURE 5-1</p>
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LEGEND

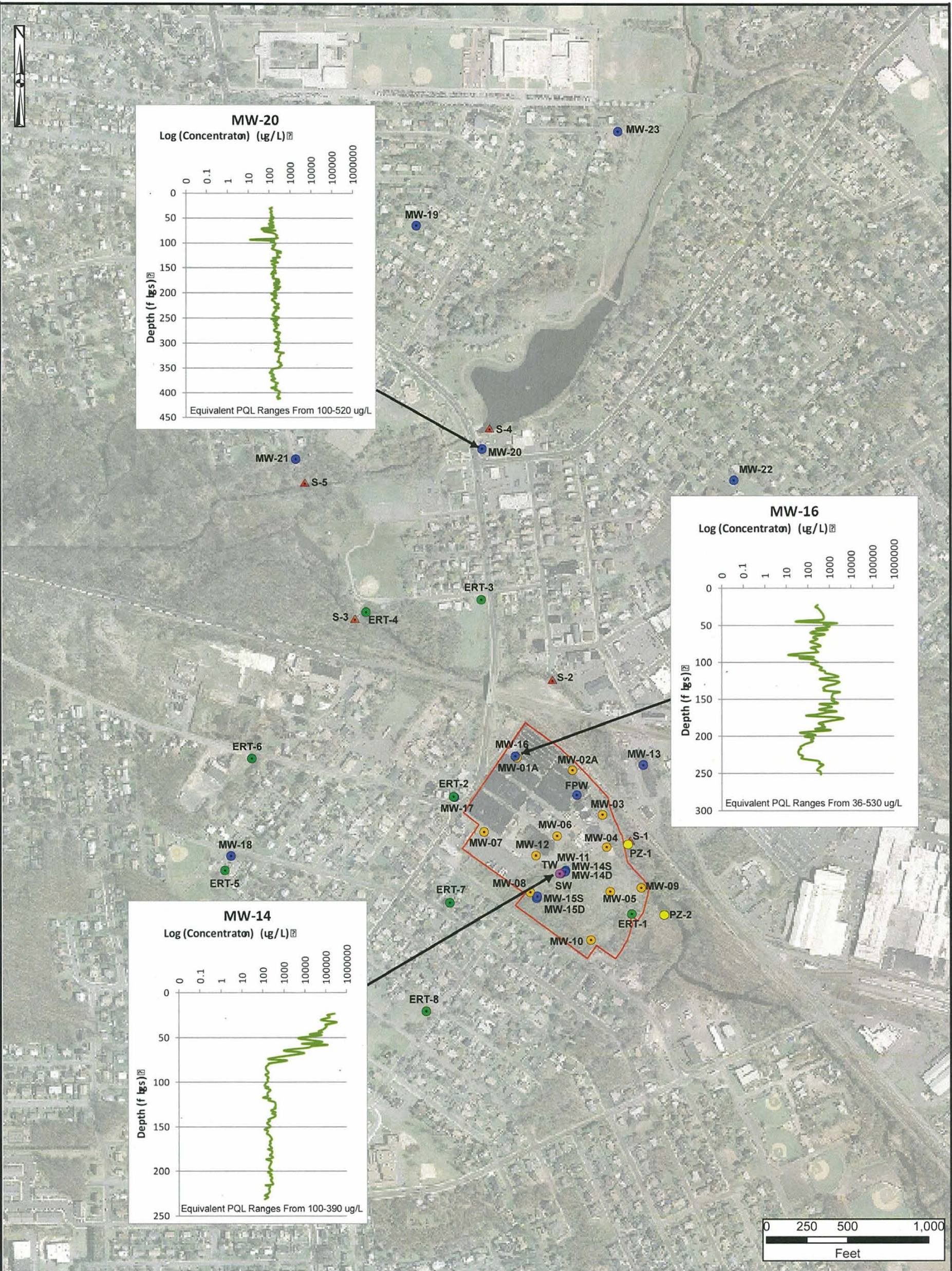
- 2008 Flute™ Well
- 2009-2010 Flute™ Well
- Shallow Bedrock Monitoring Well
- Test Well
- Staff Gage
- Piezometer
- Former CDE Facility
- Rock Matrix Diffusion cis-DCE Concentration (ug/kg)

 2008 Flute™ Well
 Shallow Bedrock Monitoring Well
 Staff Gage
  Former CDE Facility
 2009-2010 Flute™ Well
 Test Well
  Piezometer
  Estimated Pore Water TCE Concentration (ug/L)




FIGURE 5-3

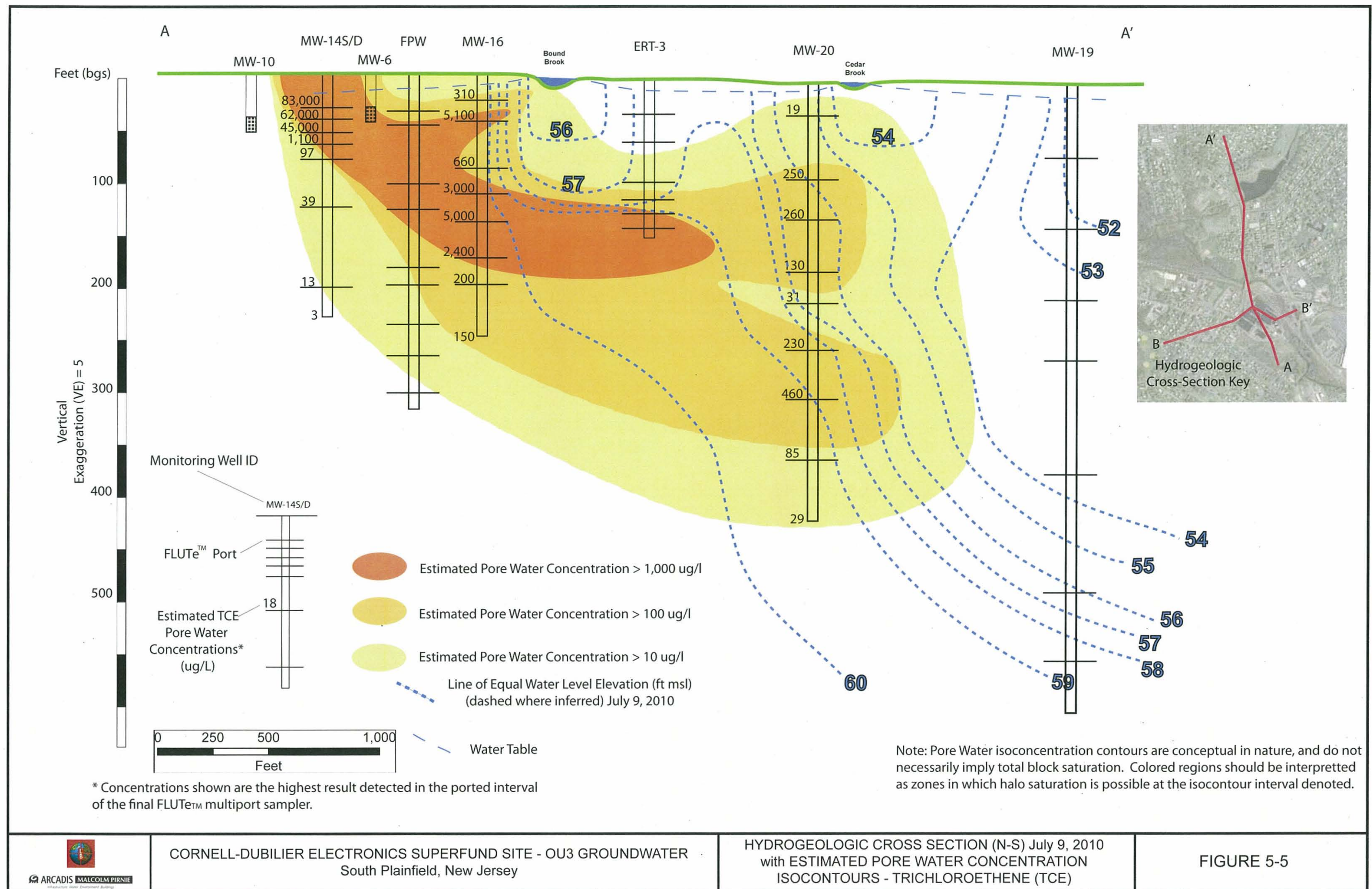
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4/13/2012 -- 9:40:06 AM

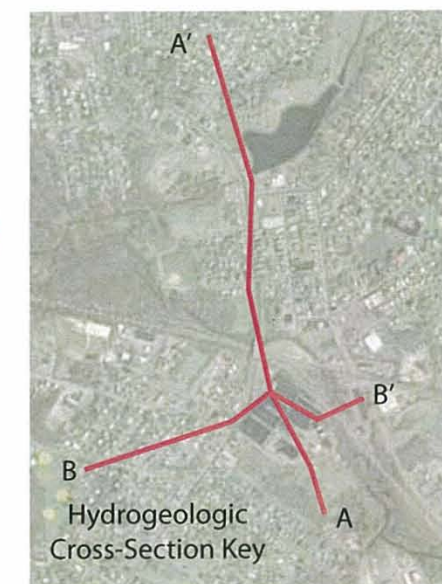
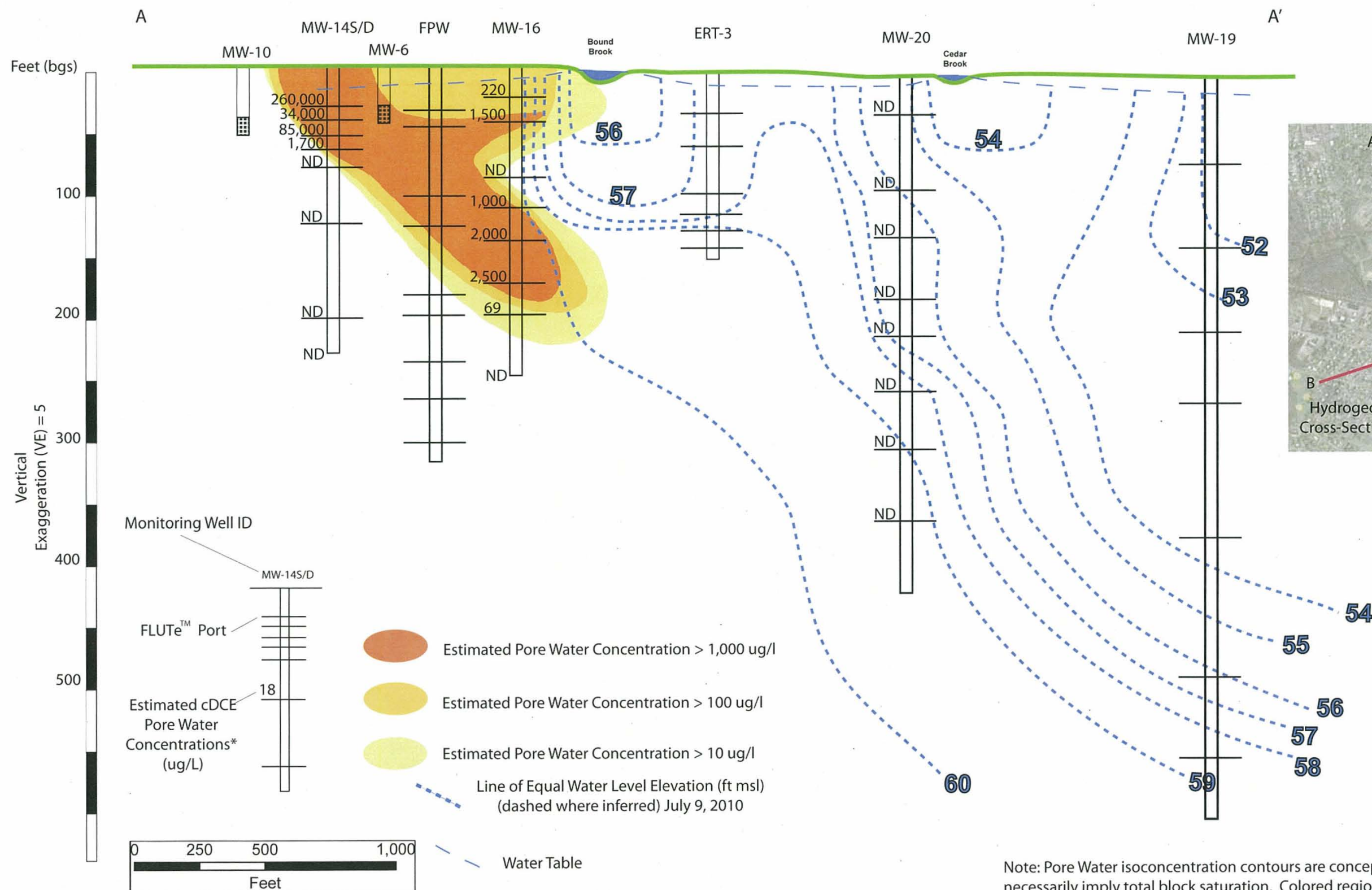


LEGEND

● 2008 Flute™ Well	● Shallow Bedrock Monitoring Well	▲ Staff Gage	□ Former CDE Facility
● 2009-2010 Flute™ Well	● Test Well	● Piezometer	— Estimated Pore Water cDCE Concentration (ug/L)

	Cornell-Dubilier Electronics Superfund Site South Plainfield, New Jersey	Estimated Pore Water cis-1,2-Dichloroethene Concentrations	FIGURE 5-4
---	--	--	------------

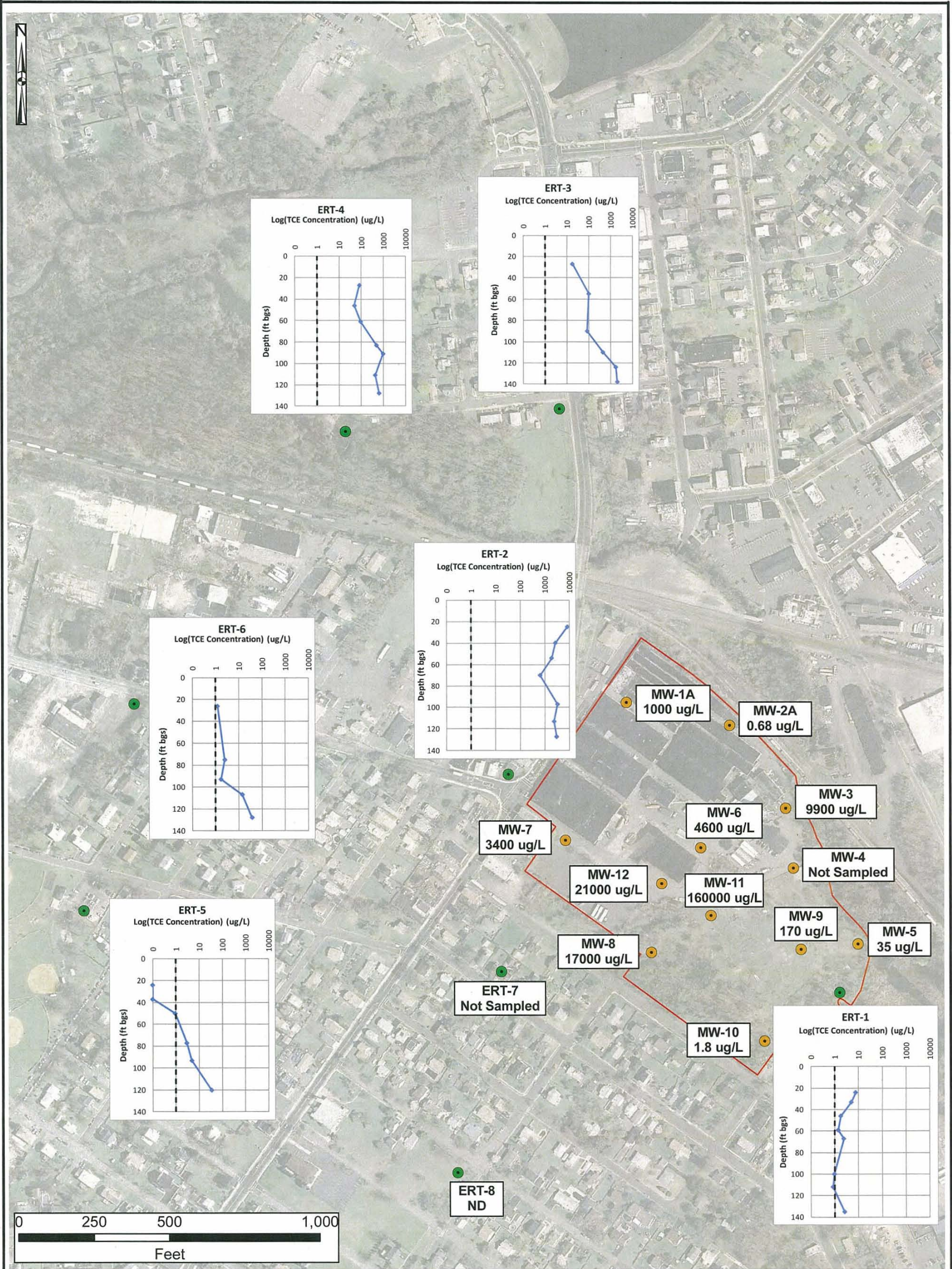


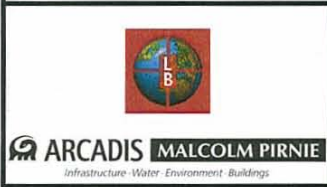
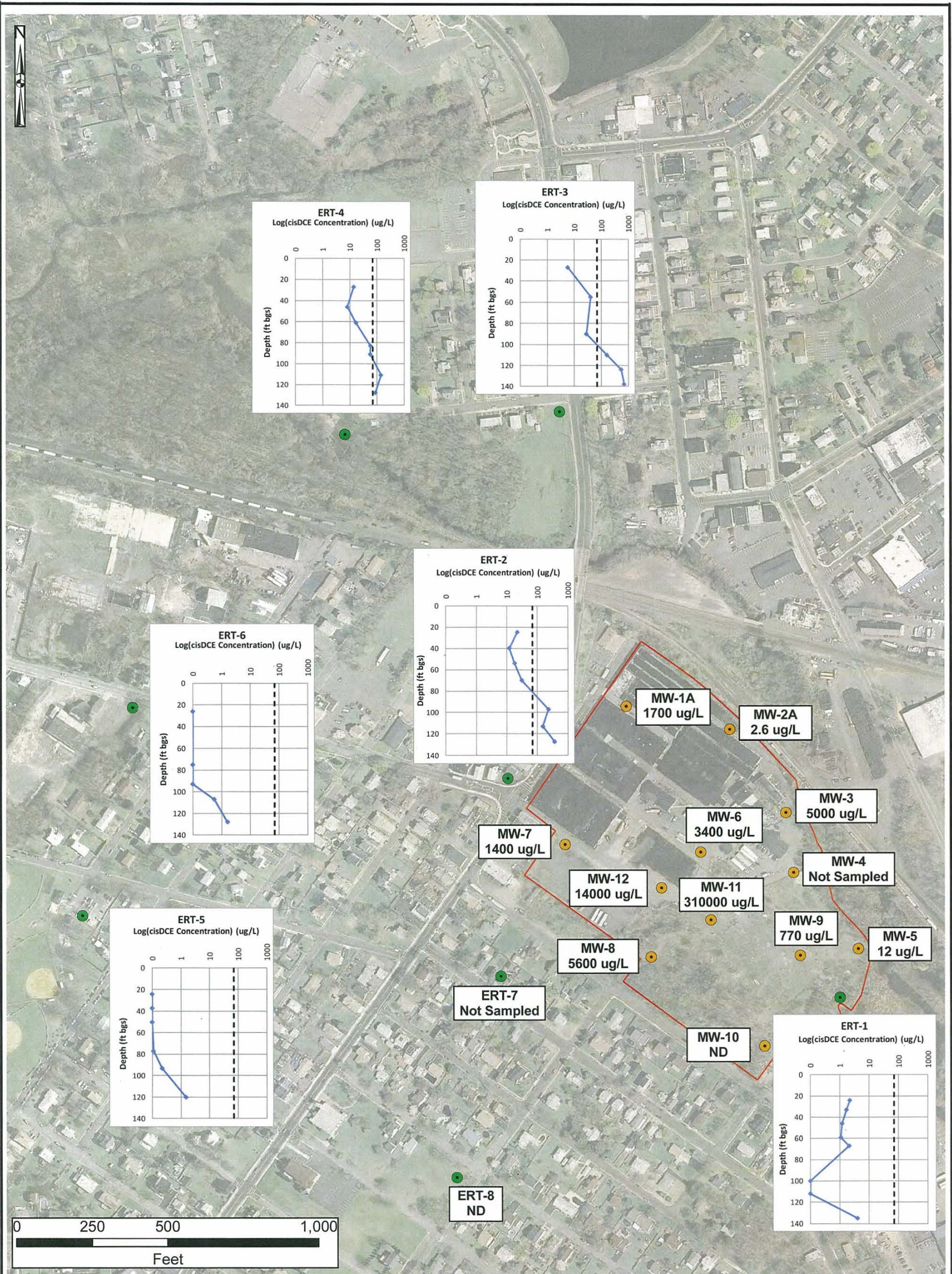


CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE - OU3 GROUNDWATER
South Plainfield, New Jersey

HYDROGEOLOGIC CROSS SECTION (N-S) July 9, 2010
with ESTIMATED PORE WATER CONCENTRATION
ISOCONTOURS - cis 1,2-DICHLOROETHENE (cDCE)

FIGURE 5-6

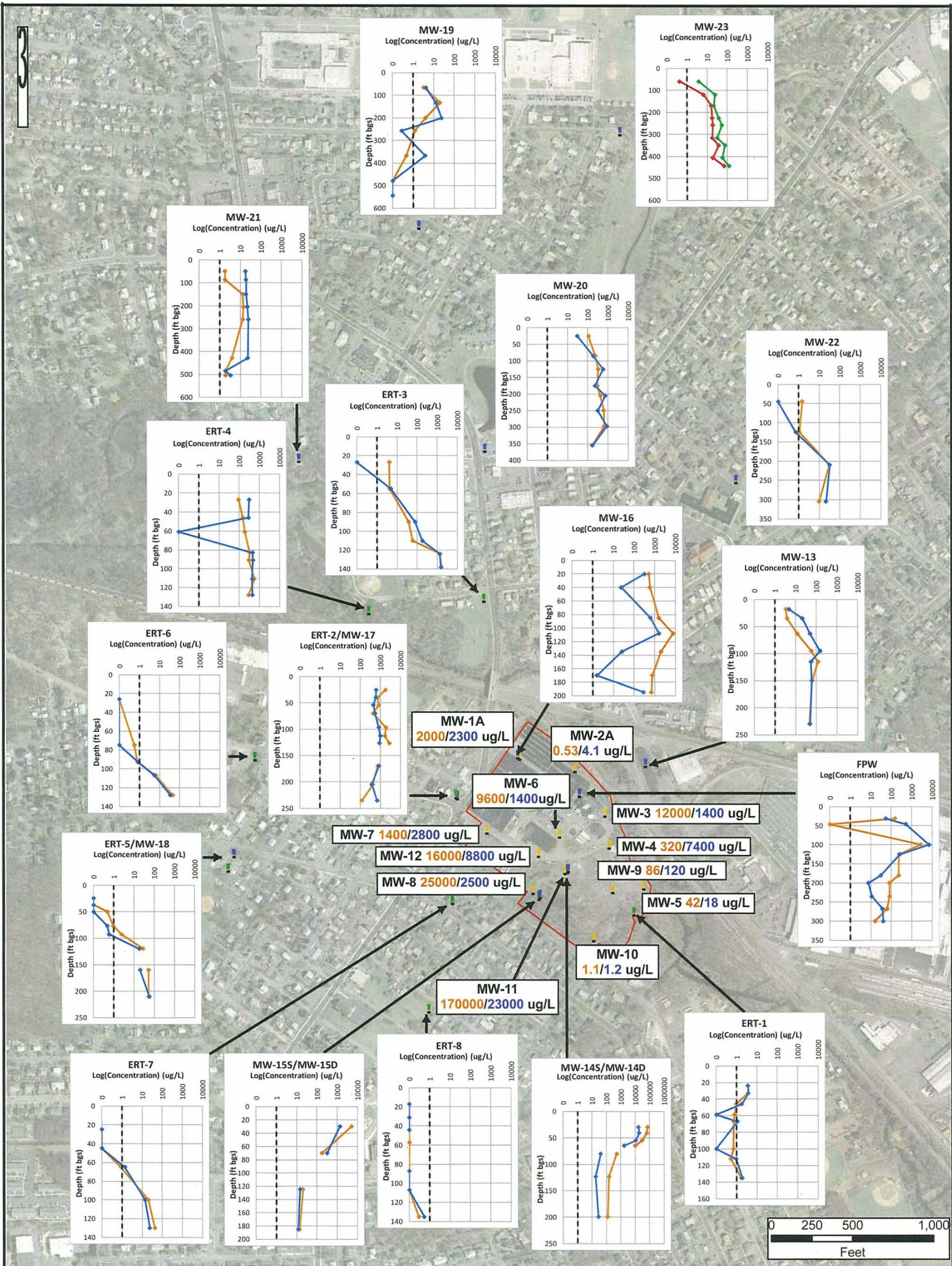




Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

cis-1,2-Dichloroethene
in Groundwater
August 2008 Sampling Event

FIGURE 5-8



LEGEND

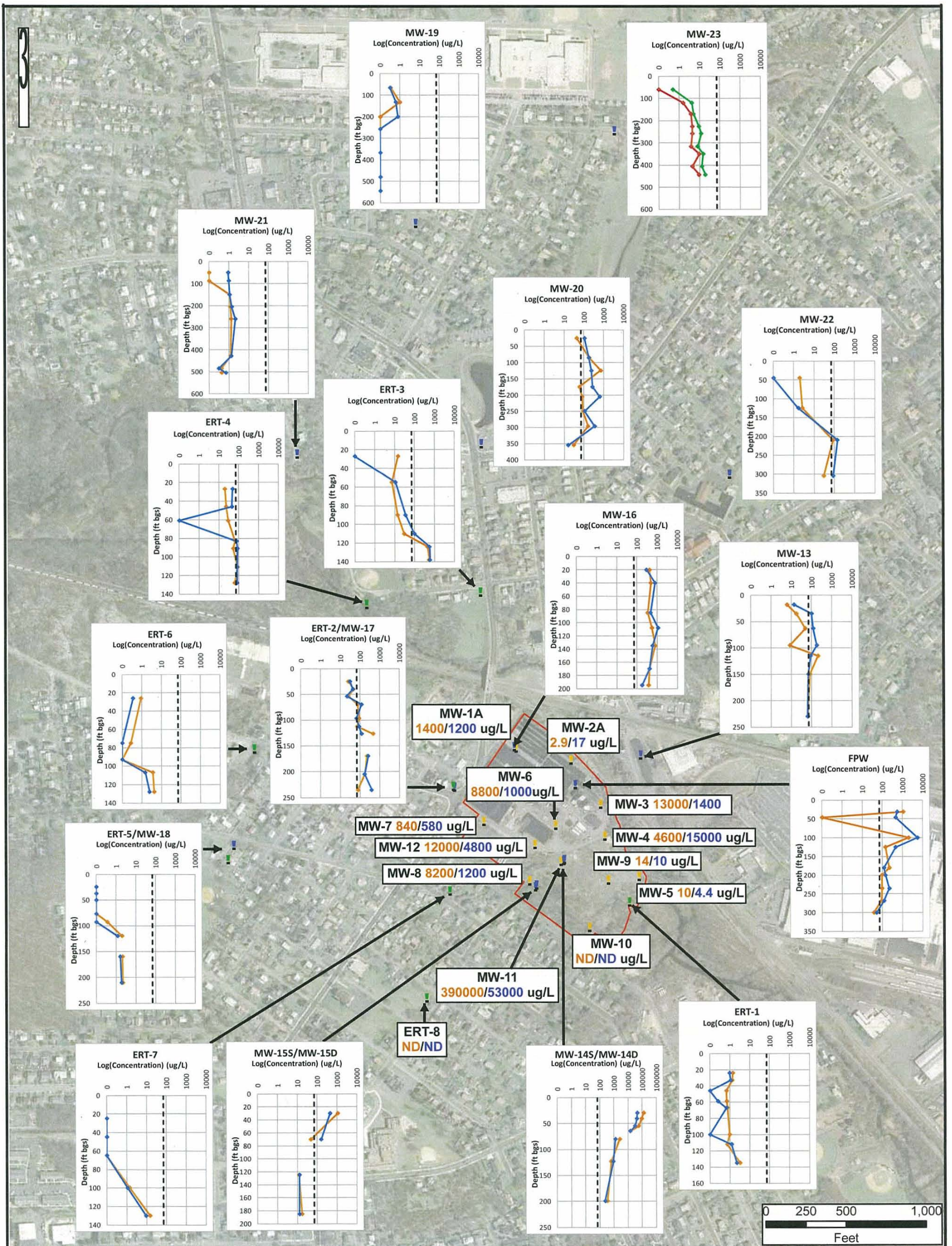
- Shallow Bedrock Monitoring Well
- 2008 Flute™ Well
- 2009-2010 Flute™ Well
- Former CDE Facility
- Potential Cleanup Standard: 1 ug/L
- 10/2009 TCE Results
- 3/2010 TCE Results
- 12/2010 TCE Results
- 3/2011 TCE Results

MW-5
42/18 ug/L

Well Name

3/2010 TCE Results

10/2009 TCE Results



LEGEND

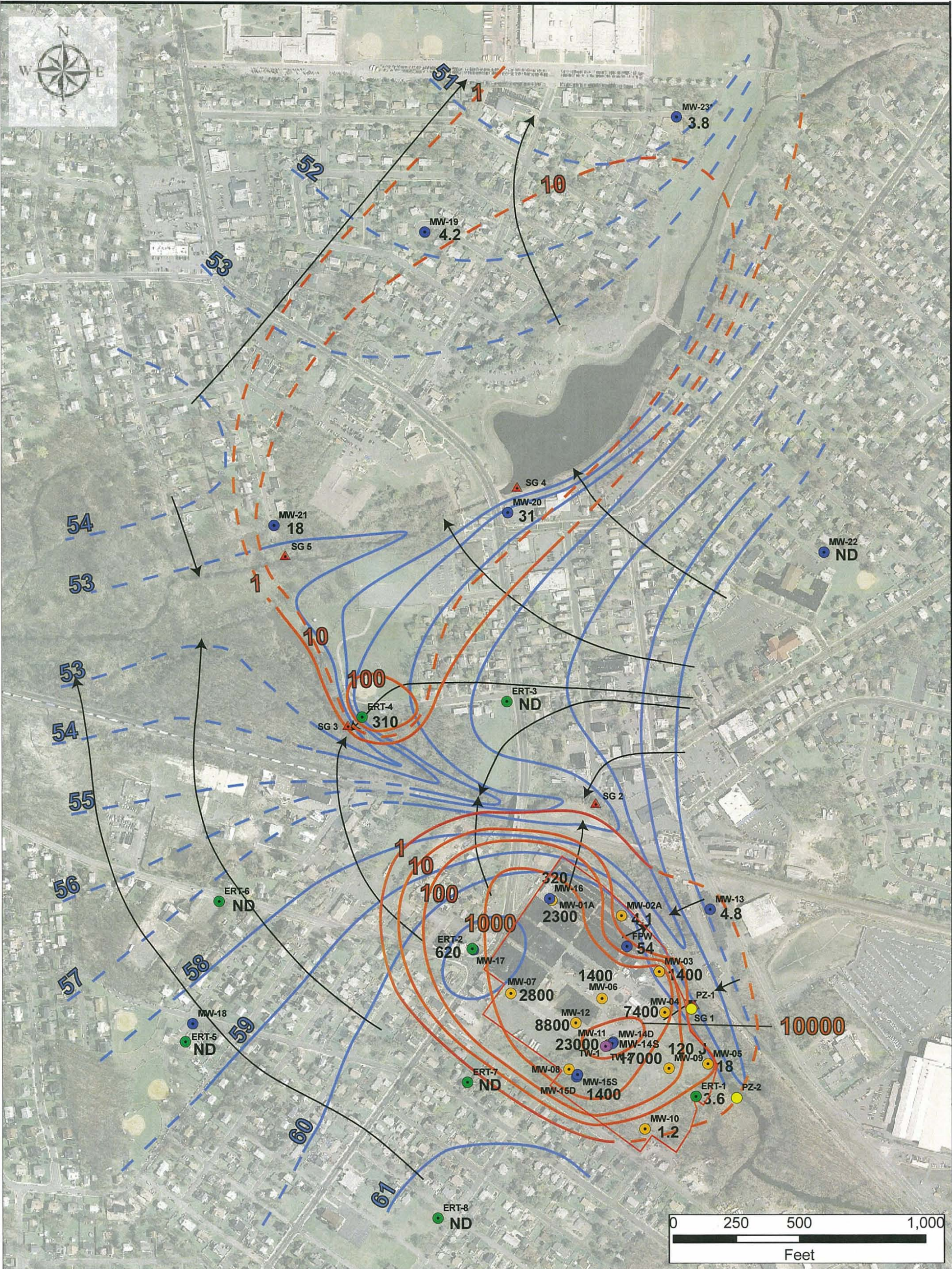
- Shallow Bedrock Monitoring Well
- 2008 Flute™ Well
- 2009-2010 Flute™ Well
- Former CDE Facility
- Potential Cleanup Standard: 70 ug/L
- 10/2009 cDCE Results
- 3/2010 cDCE Results
- 12/2010 cDCE Results
- 3/2011 cDCE Results



Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

cis-1,2-Dichloroethene in
Groundwater 2009-2011*
Sampling Events
*MW-23 results from 12/2010 and 3/2011

FIGURE 5-10



Legend

Former CDE Facility

Shallow Bedrock Monitoring Well

2008 Flute™ Well

2009 Flute™ Well

Test Well

Staff Gage

Piezometer

Direction of Groundwater Movement

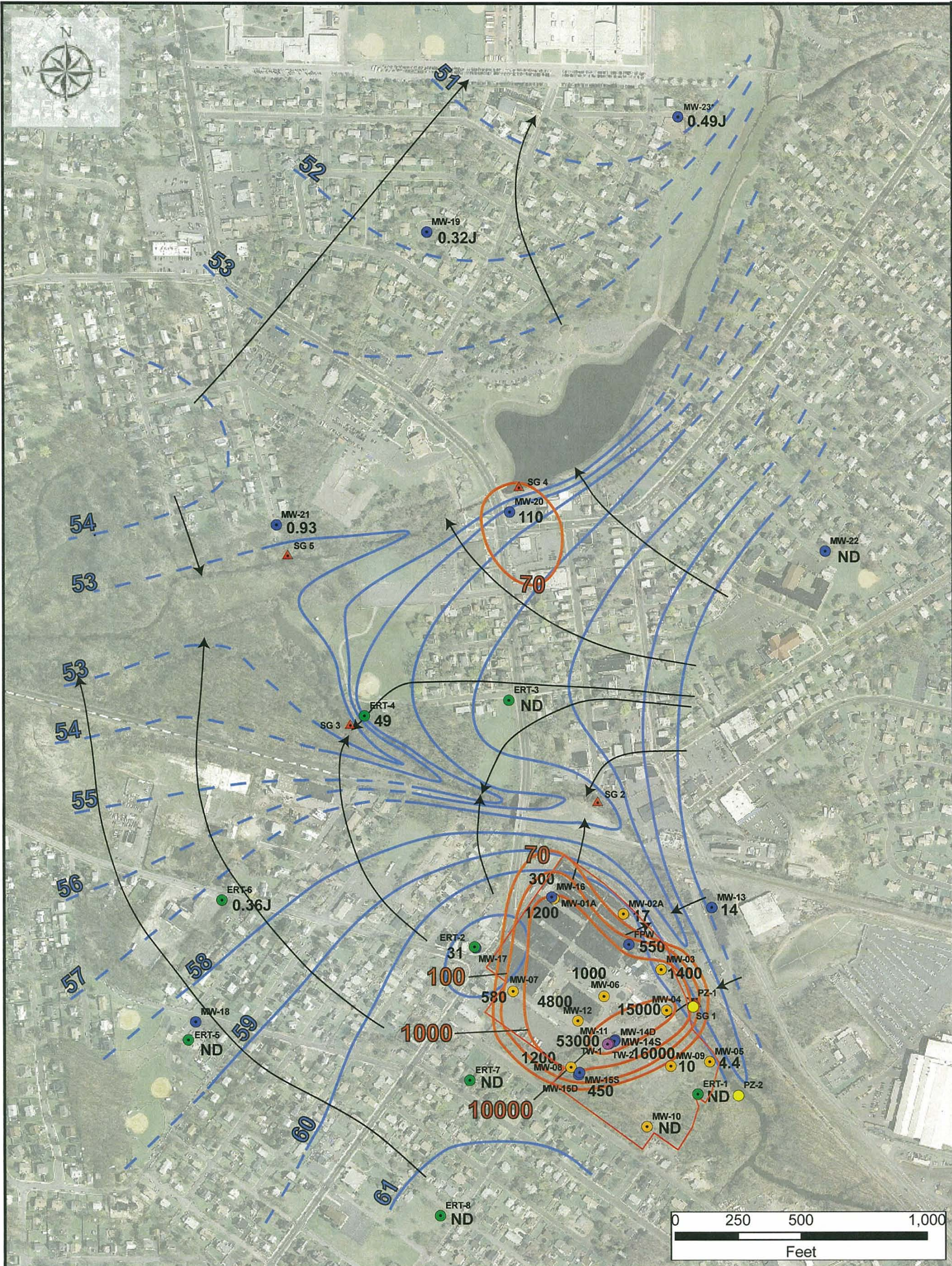
MCL

Line of Equal TCE Concentration (ug/L) (dashed where inferred)

3.6 Aqueous TCE Concentration (ug/L)

61 Line of Equal Groundwater Elevation (ft msl) (dashed where inferred)

*Note: MW-23 installed and sampled in December 2010, March 2011



Legend

- Former CDE Facility
- Shallow Bedrock Monitoring Well

- 2008 Flute™ Well
- 2009 Flute™ Well

- Test Well
- ▲ Staff Gage

- Piezometer
- Direction of Groundwater Movement

- MCL — 70 Line of Equal cDCE Concentration (ug/L) (dashed where inferred)
- 3.6 Aqueous cDCE Concentration (ug/L)
- 61 Line of Equal Groundwater Elevation (ft msl) (dashed where inferred)

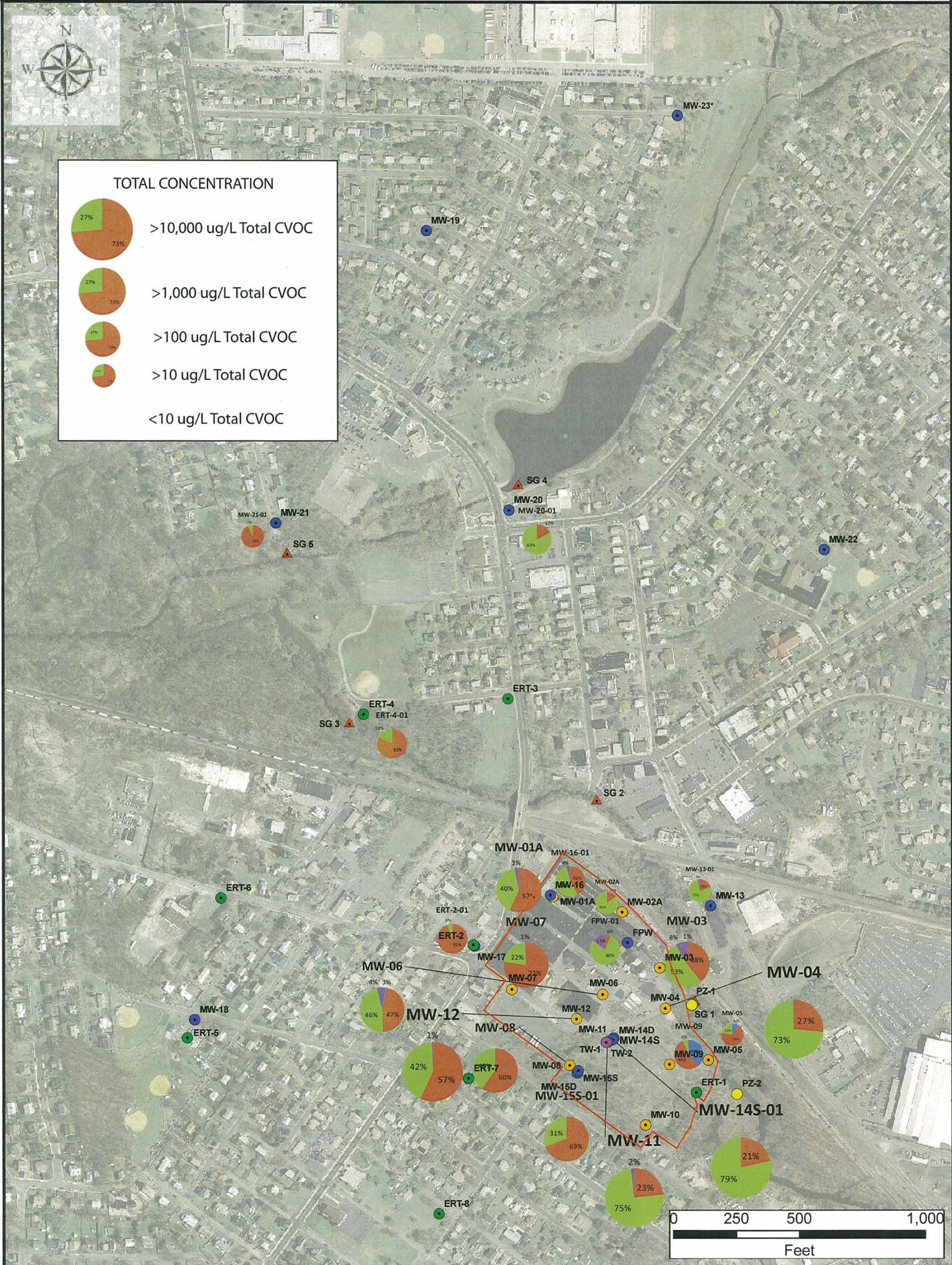
*Note: MW-23 installed and sampled in December 2010, March 2011



**Cornell-Dubilier Electronics
Superfund Site - OU3**
South Plainfield, New Jersey

**Potentiometric Surface of Shallow
(0' - 120' bgs) Water Bearing Zone**
July 9, 2010
Aqueous Concentration of cDCE
March 2010

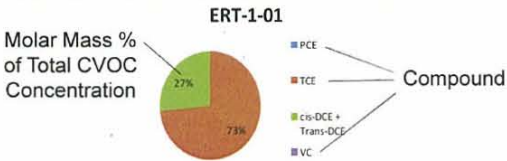
Figure 5-12



Legend

- Former CDE Facility
- 2008 Flute™ Well
- Test Well
- Shallow Bedrock Monitoring Well
- 2009 Flute™ Well
- Staff Gage
- Piezometer

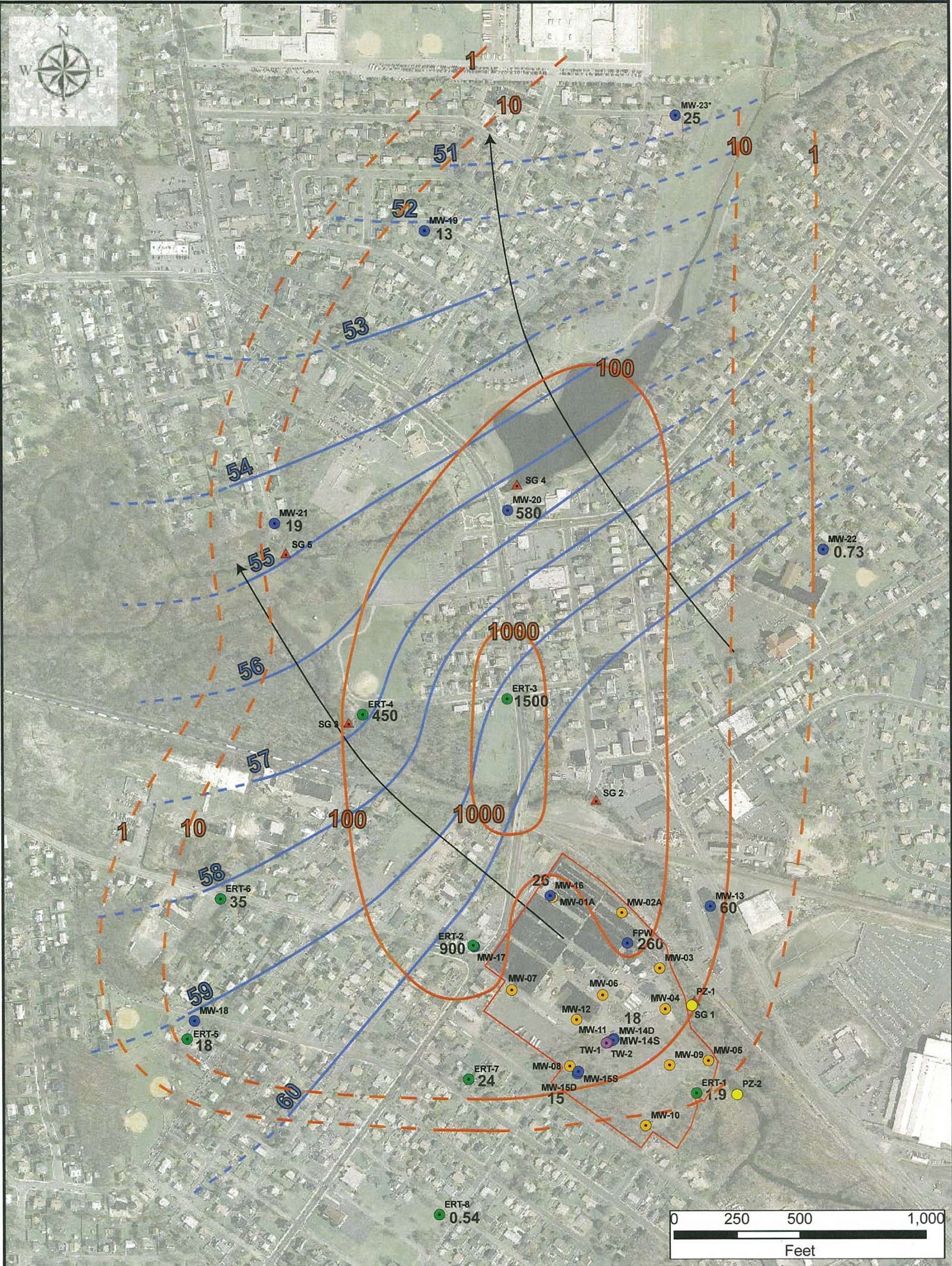
*Note: MW-23 installed and sampled in December 2010, March 2011



Cornell-Dubilier Electronics
Superfund Site - OU3
South Plainfield, New Jersey

CVOC MOLAR MASS DISTRIBUTION
Shallow Water Bearing Zone
March 2010

Figure 5-13



Legend

- Former CDE Facility
- Shallow Bedrock Monitoring Well

- 2008 Flute™ Well
- 2009 Flute™ Well

- Test Well
- Staff Gage

- Piezometer
- Direction of Groundwater Movement

- MCL
- Line of Equal TCE Concentration (ug/L) (dashed where inferred)
- 3.6 Aqueous TCE Concentration (ug/L)
- 61 Line of Equal Groundwater Elevation (ft msl) (dashed where inferred)

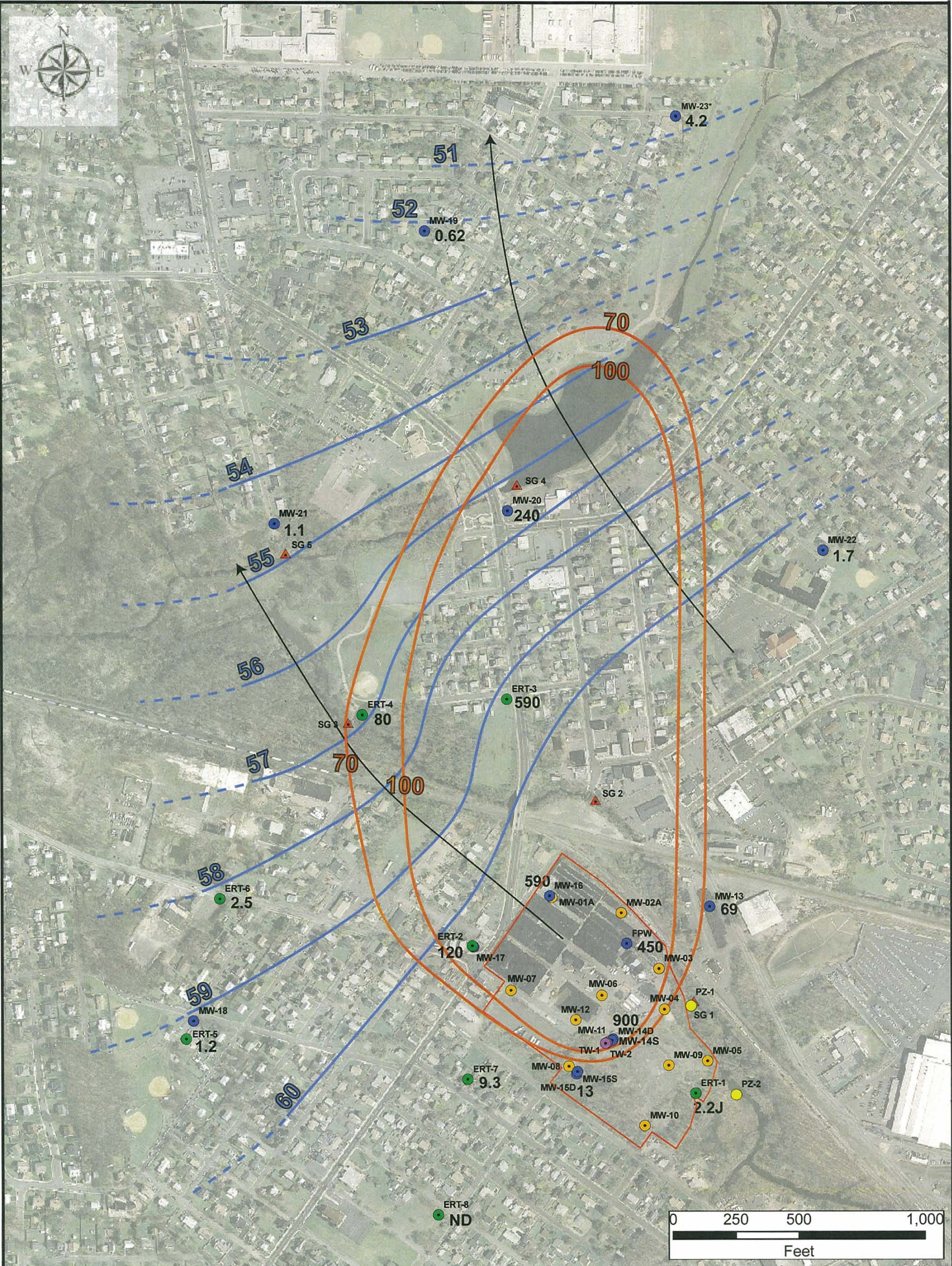
*Note: MW-23 installed and sampled in December 2010, March 2011



Cornell-Dubilier Electronics
Superfund Site - OU3
South Plainfield, New Jersey

Potentiometric Surface of Intermediate
(120'-160' bgs) Water Bearing Zone
July 9, 2010
Aqueous Concentration of TCE
March 2010

FIGURE 5-14



Legend

- Former CDE Facility
- Shallow Bedrock Monitoring Well

- 2008 Flute™ Well
- 2009 Flute™ Well

- Test Well
- Staff Gage

- Piezometer
- Direction of Groundwater Movement

- MCL — 70 — 3.6
- Line of Equal cDCE Concentration (ug/L) (dashed where inferred)
- Aqueous cDCE Concentration (ug/L)
- Line of Equal Groundwater Elevation (ft msl) (dashed where inferred)

*Note: MW-23 installed and sampled in December 2010, March 2011

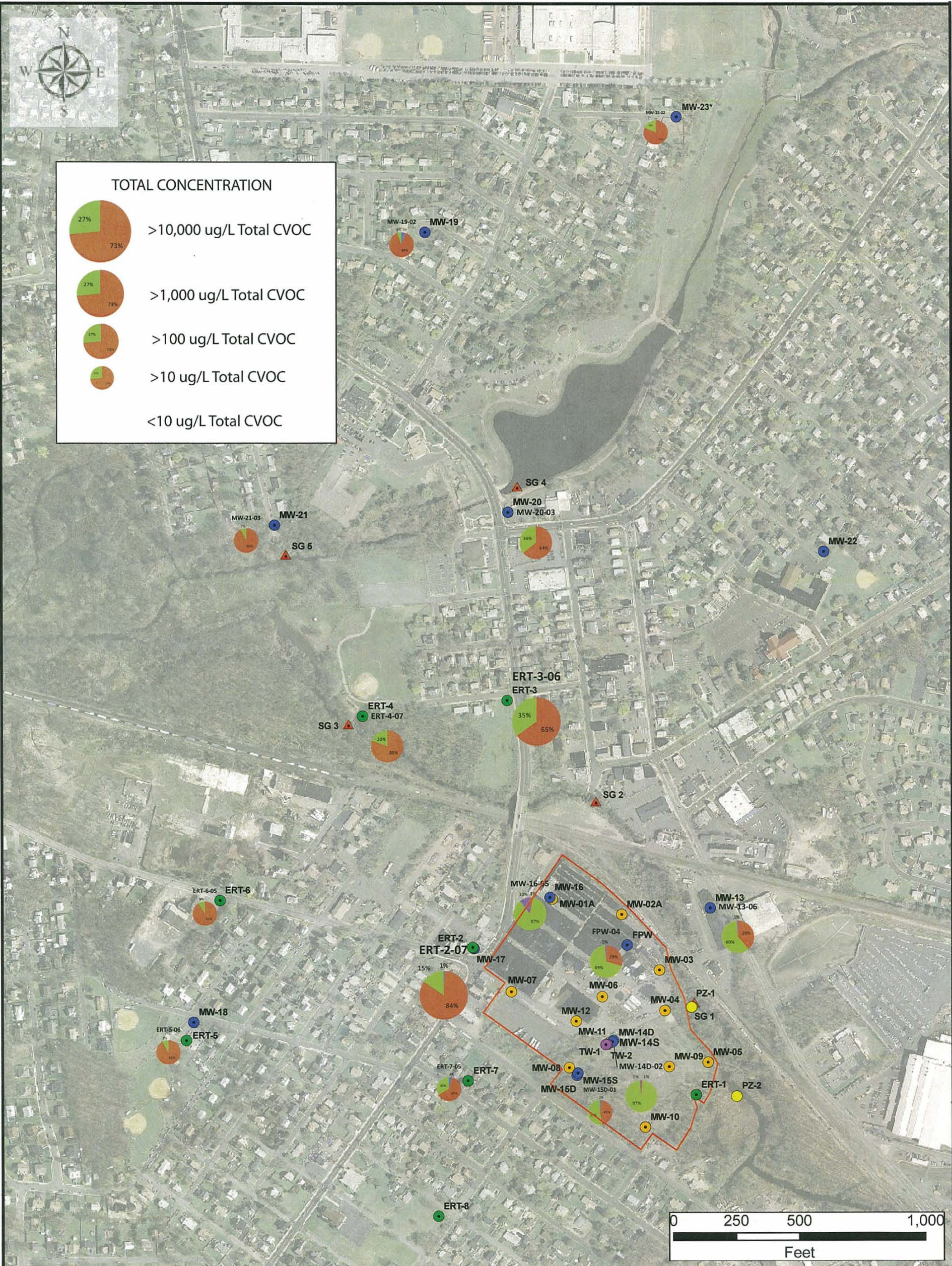


ARCADIS MALCOLM PIRNIE
Infrastructure · Water · Environment · Buildings

Cornell-Dubilier Electronics
Superfund Site - OU3
South Plainfield, New Jersey

Potentiometric Surface of Intermediate
(120'-160' bgs) Water Bearing Zone
July 9, 2010
Aqueous Concentration of cDCE
March 2010

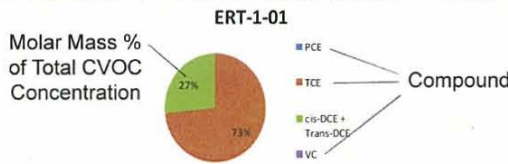
FIGURE 5-15



Legend

- Former CDE Facility
- Shallow Bedrock Monitoring Well
- 2008 Flute™ Well
- 2009 Flute™ Well
- Test Well
- Staff Gage
- Piezometer

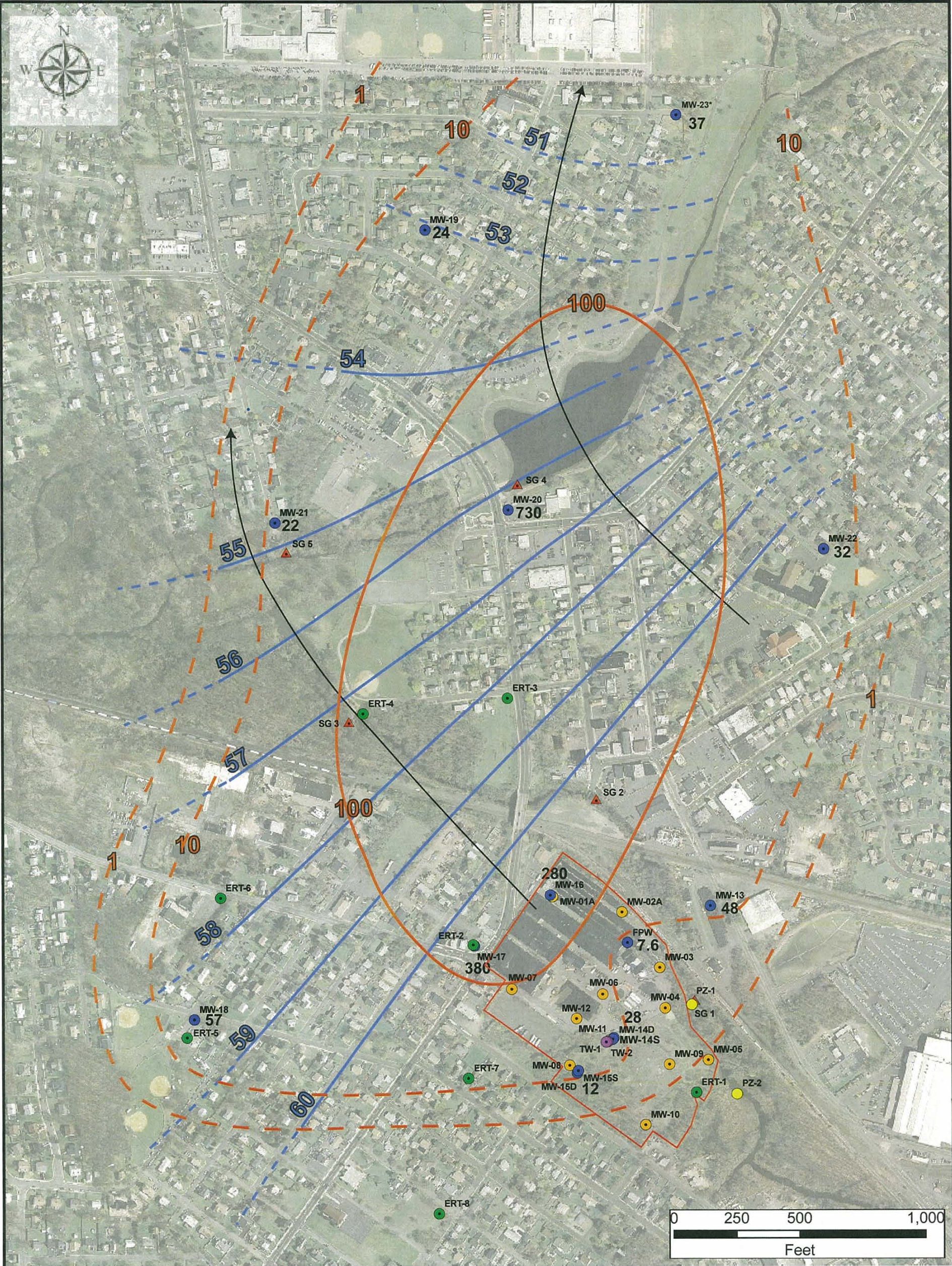
*Note: MW-23 installed and sampled in December 2010, March 2011



Cornell-Dubilier Electronics
Superfund Site - OU3
South Plainfield, New Jersey

CVOC MOLAR MASS DISTRIBUTION
Intermediate Water Bearing Zone
March 2010

Figure 5-16



Legend

- Former CDE Facility
- Shallow Bedrock Monitoring Well

- 2008 Flute™ Well
- 2009 Flute™ Well

- Test Well
- Staff Gage

- Piezometer
- Direction of Groundwater Movement

- MCL
- Line of Equal TCE Concentration (ug/L) (dashed where inferred)
- 3.6 Aqueous TCE Concentration (ug/L)
- 61 Line of Equal Groundwater Elevation (ft msl) (dashed where inferred)

*Note: MW-23 installed and sampled in December 2010, March 2011

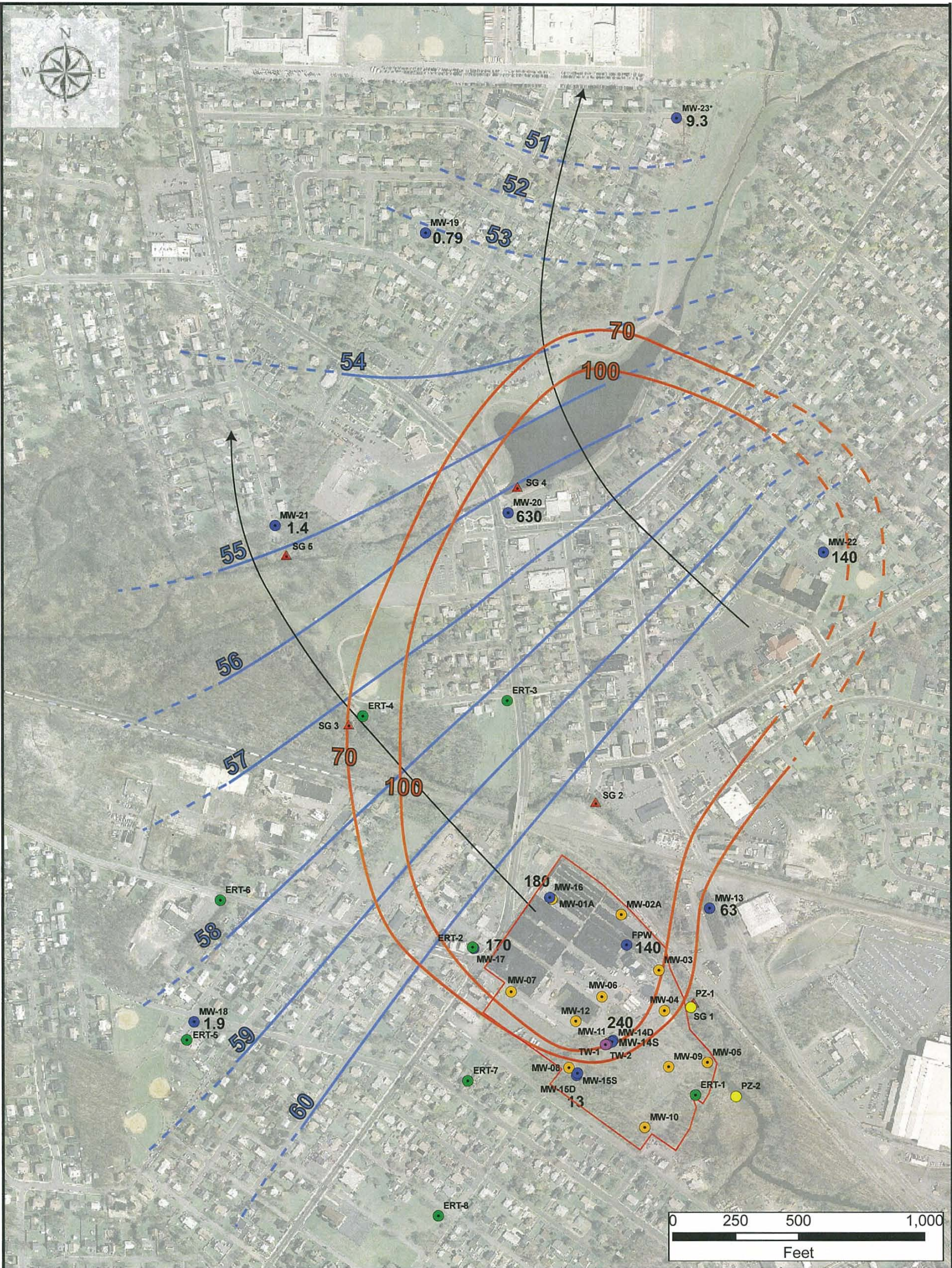


ARCADIS MALCOLM PIRNIE
Infrastructure Water Environment Buildings

Cornell-Dubilier Electronics
Superfund Site - OU3
South Plainfield, New Jersey

Potentiometric Surface of Deep
(200' - 240' bgs) Water Bearing Zone
July 9, 2010
Aqueous Concentration of TCE
March 2010

FIGURE 5-17



Legend

Former CDE Facility

Shallow Bedrock Monitoring Well

2008 Flute™ Well

2009 Flute™ Well

Test Well

Staff Gage

Piezometer

Direction of Groundwater Movement

MCL

10

3.6

61

Line of Equal cDCE Concentration (ug/L) (dashed where inferred)

Aqueous cDCE Concentration (ug/L)

Line of Equal Groundwater Elevation (ft msl) (dashed where inferred)

*Note: MW-23 installed and sampled in December 2010, March 2011

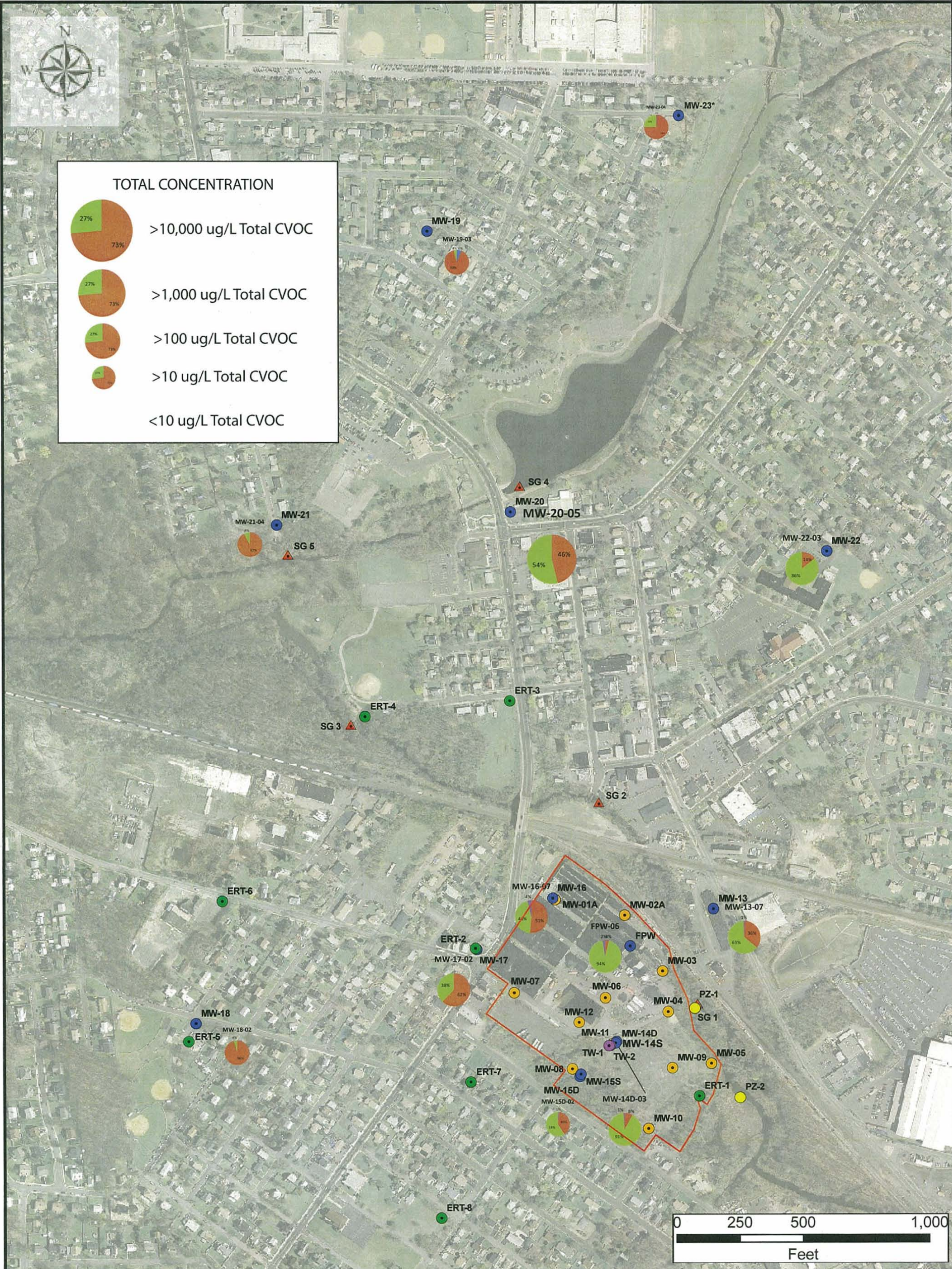


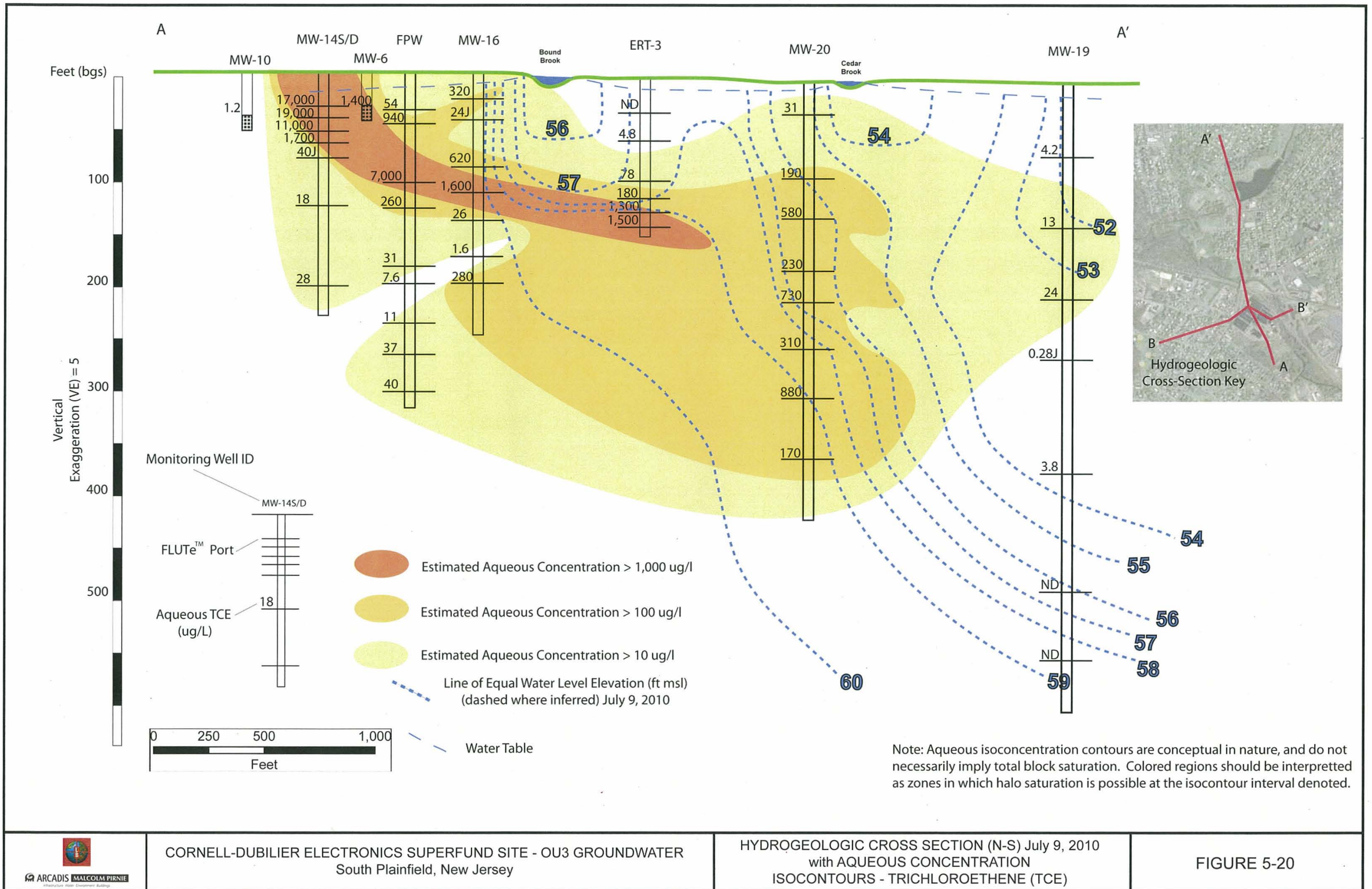
ARCADIS MALCOLM PIRNIE
Infrastructure Water Environment Buildings

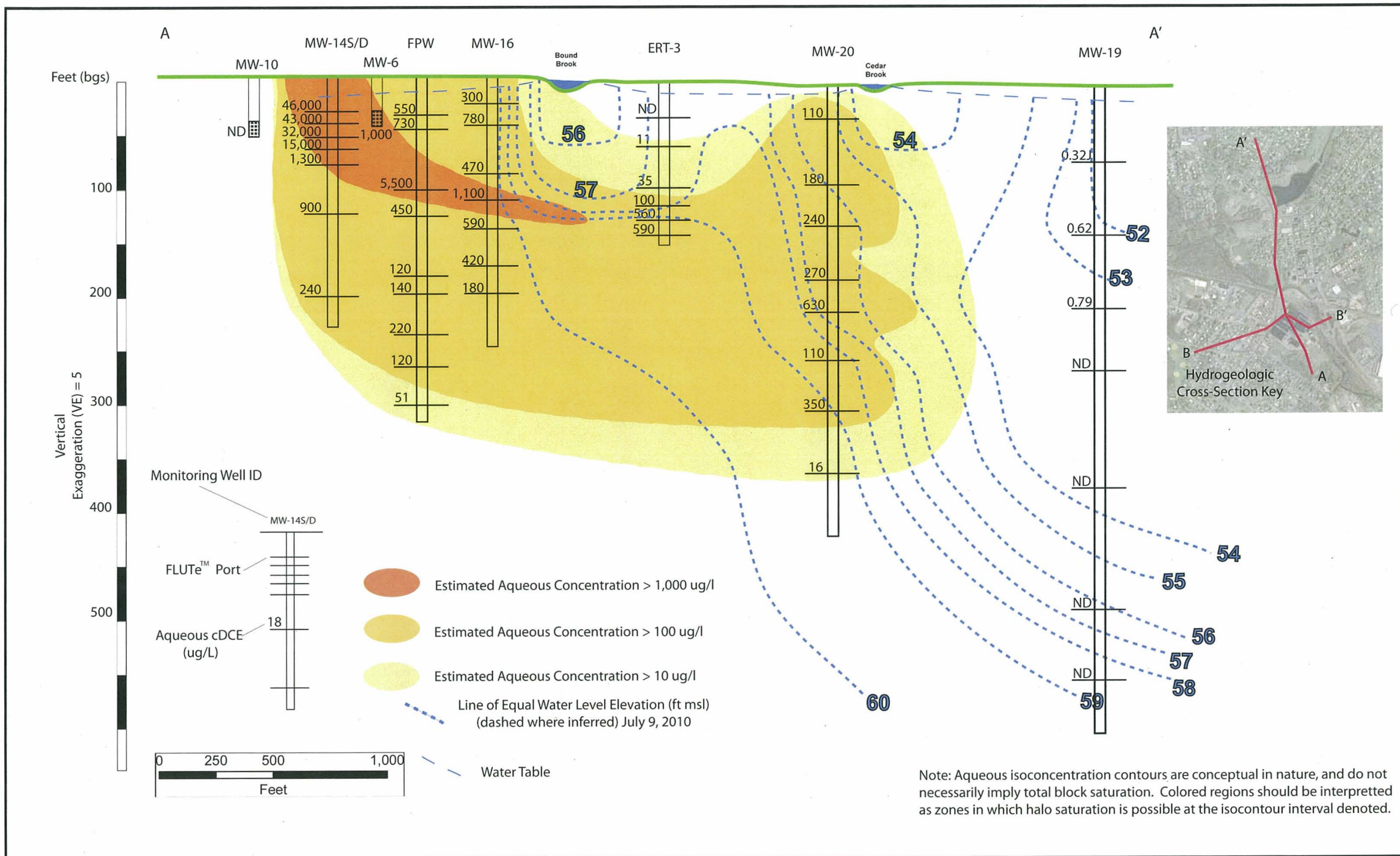
Cornell-Dubilier Electronics
Superfund Site - OU3
South Plainfield, New Jersey

Potentiometric Surface of Deep
(200' - 240' bgs) Water Bearing Zone
July 9, 2010
Aqueous Concentration of cDCE
March 2010

FIGURE 5-18



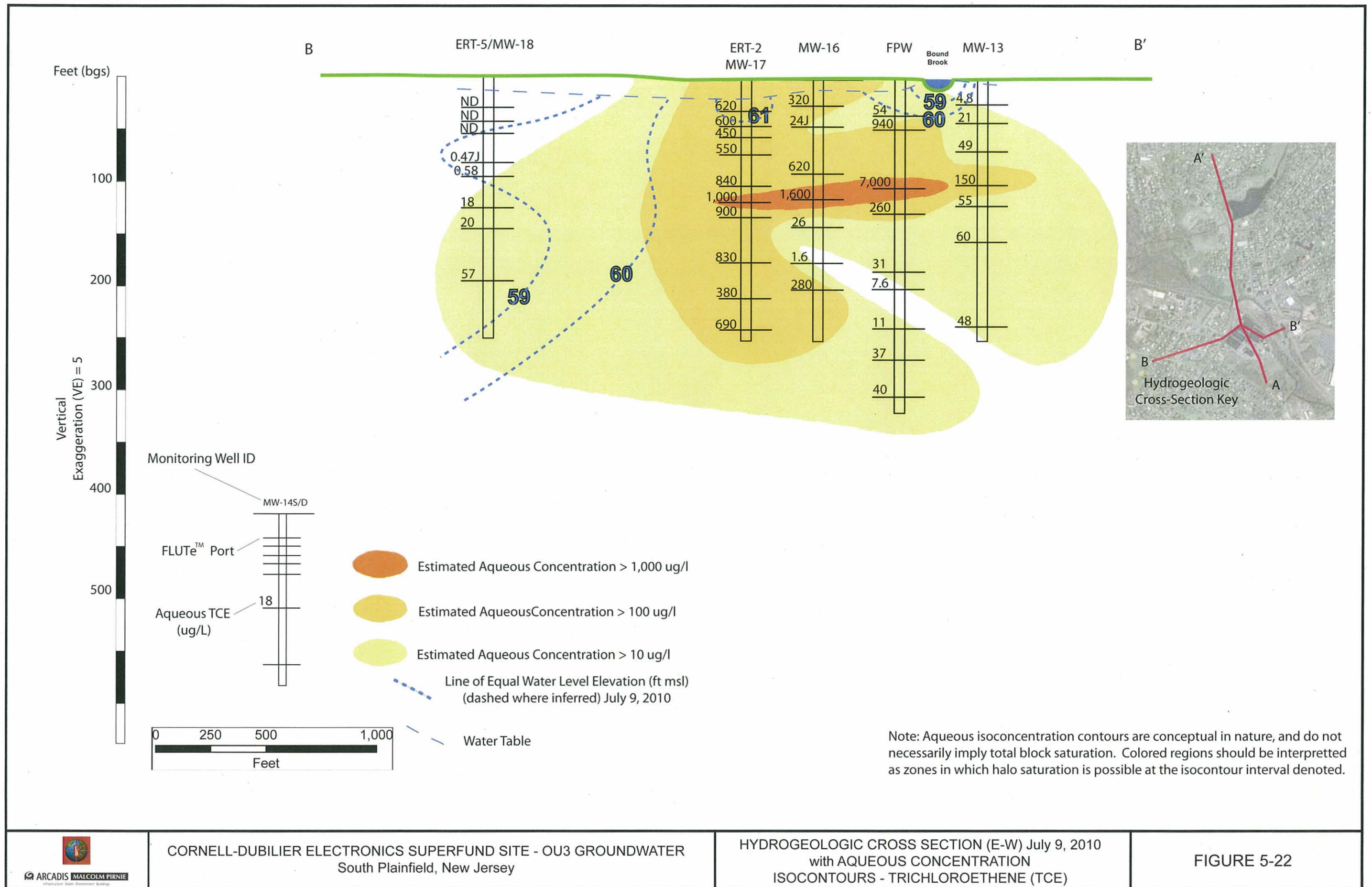


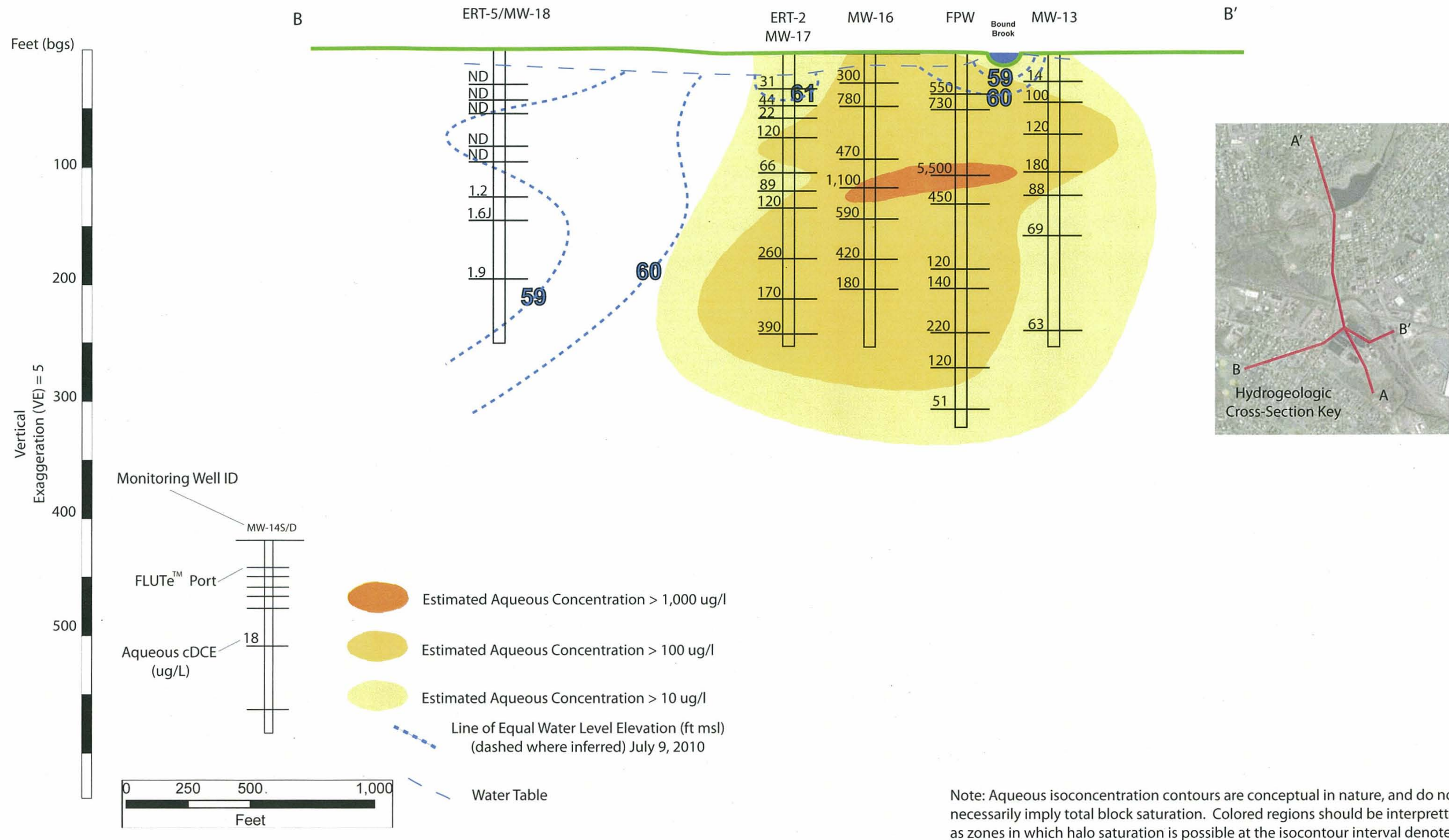


CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE - OU3 GROUNDWATER
South Plainfield, New Jersey

HYDROGEOLOGIC CROSS SECTION (N-S) July 9, 2010
with AQUEOUS CONCENTRATION
ISOCONTOURS - cis 1,2-DICHLOROETHENE (cDCE)

FIGURE 5-21

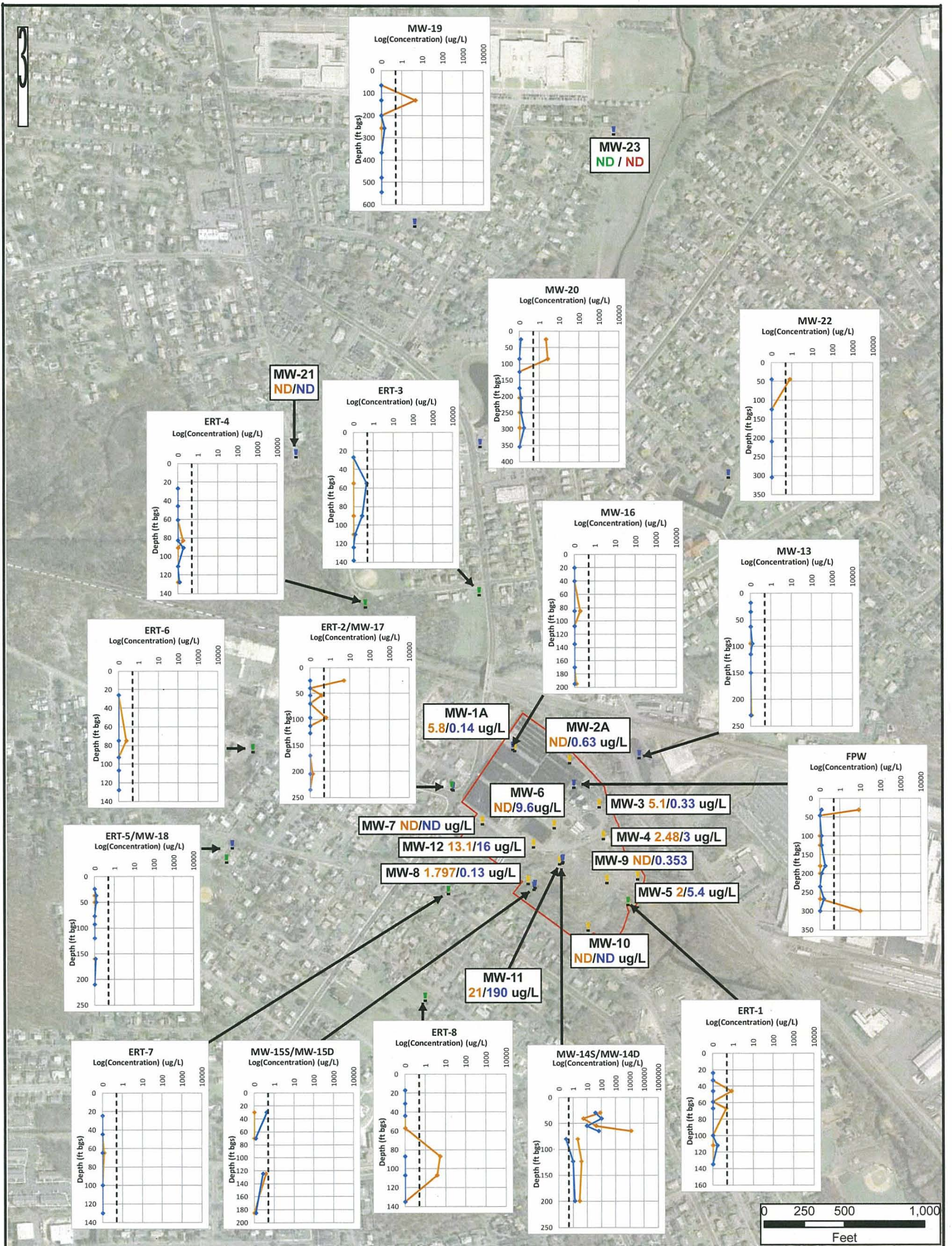




CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE - OU3 GROUNDWATER
South Plainfield, New Jersey

HYDROGEOLOGIC CROSS SECTION (E-W) July 9, 2010
with AQUEOUS CONCENTRATION
ISOCONTOURS - cis 1,2-DICHLOROETHENE (cDCE)

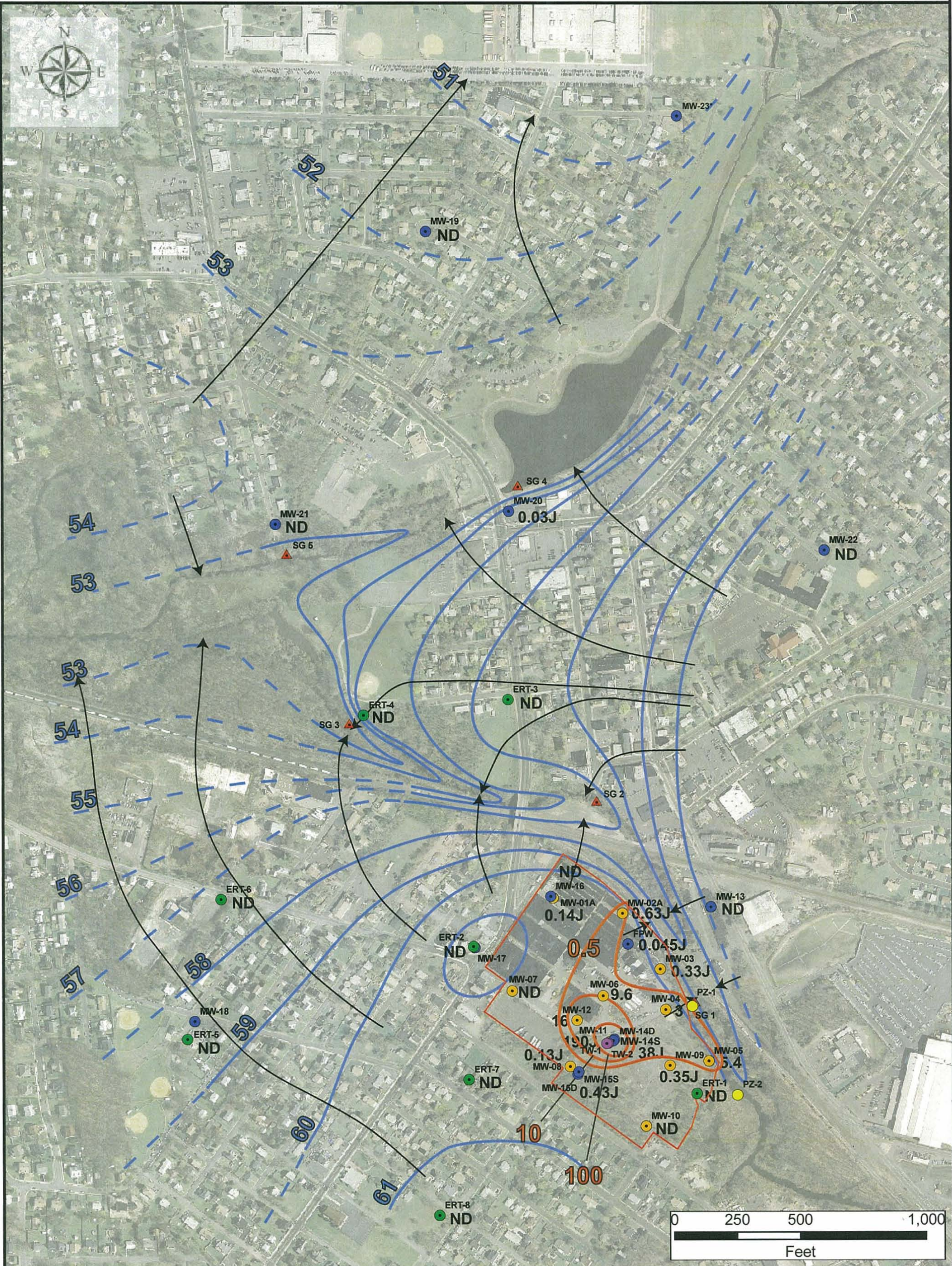
FIGURE 5-23



LEGEND

- | | | | |
|-----------------------------------|--|-----------------------|-----------------------|
| ■ Shallow Bedrock Monitoring Well | □ Former CDE Facility | ◆ 3/2010 PCB Results | → Well Name |
| ■ 2008 Flute™ Well | --- Potential Cleanup Standard: 0.5 ug/L | ◆ 12/2010 PCB Results | ◆ 3/2010 PCB Results |
| ■ 2009-2010 Flute™ Well | ◆ 10/2009 PCB Results | ◆ 3/2011 PCB Results | ◆ 10/2009 PCB Results |

	Cornell-Dubilier Electronics Superfund Site South Plainfield, New Jersey	Total PCB Aroclors in Groundwater 2009-2011* Sampling Events *MW-23 results from 12/2010 and 3/2011	FIGURE 5-24



Legend

- Former CDE Facility

Shallow Bedrock Monitoring Well

*Note: MW-23 installed and sampled in December 2010, March 2011
- 2008 Flute™ Well

2009 Flute™ Well
- Test Well

Staff Gage
- Piezometer

Direction of Groundwater Movement
- MCL 0.5

Line of Equal Total PCB Aroclor Concentration (ug/L) (dashed where inferred)

0.13J

Aqueous PCB Total Aroclor Concentration (ug/L)

J Value Estimated Concentration

61

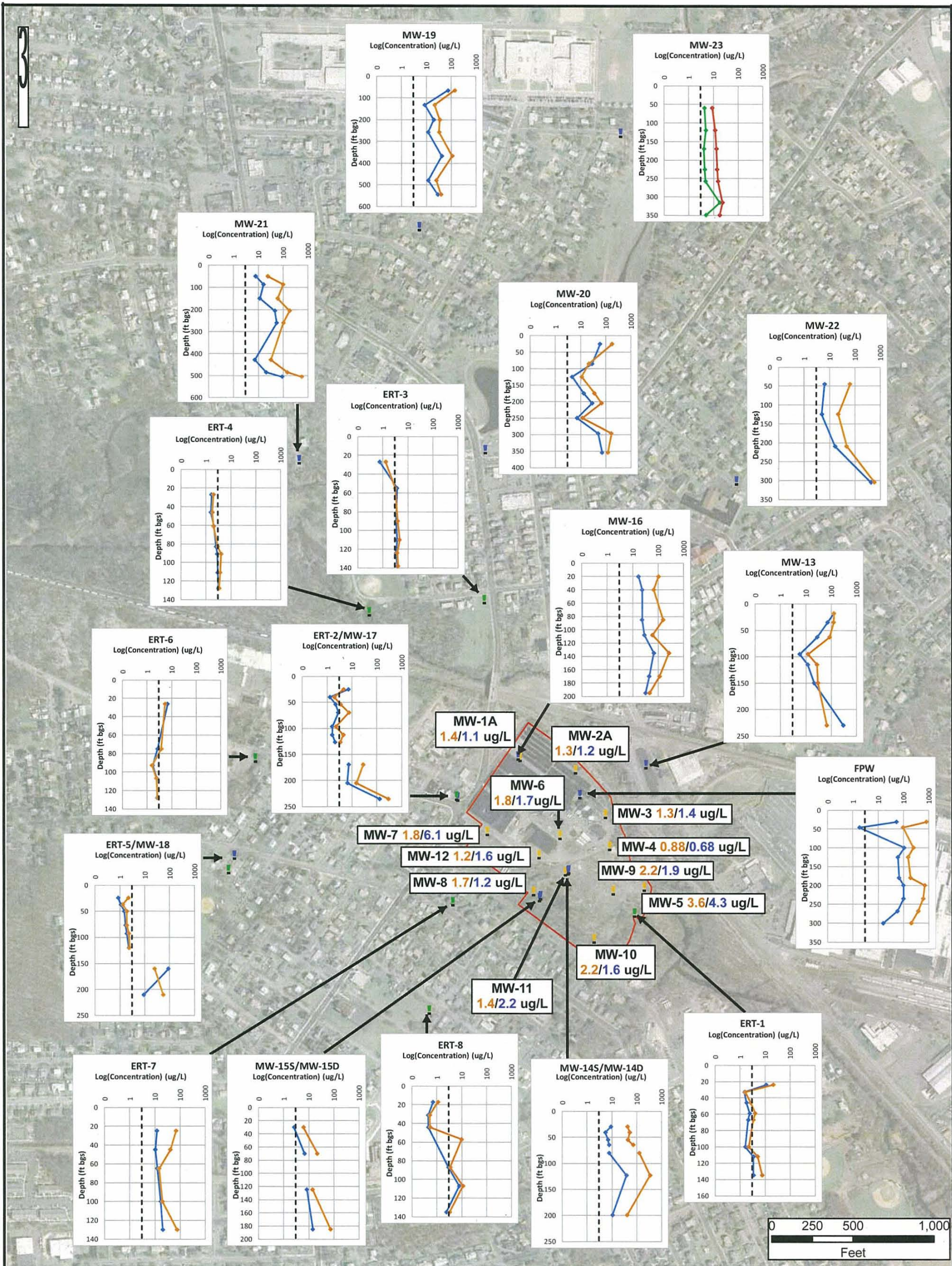
Line of Equal Groundwater Elevation (ft msl) (dashed where inferred)



Cornell-Dubilier Electronics
Superfund Site - OU3
South Plainfield, New Jersey

Potentiometric Surface of Shallow
(0' - 120' bgs) Water Bearing Zone
July 9, 2010
Aqueous Concentration of
Total PCB Aroclors March 2010

Figure 5-25

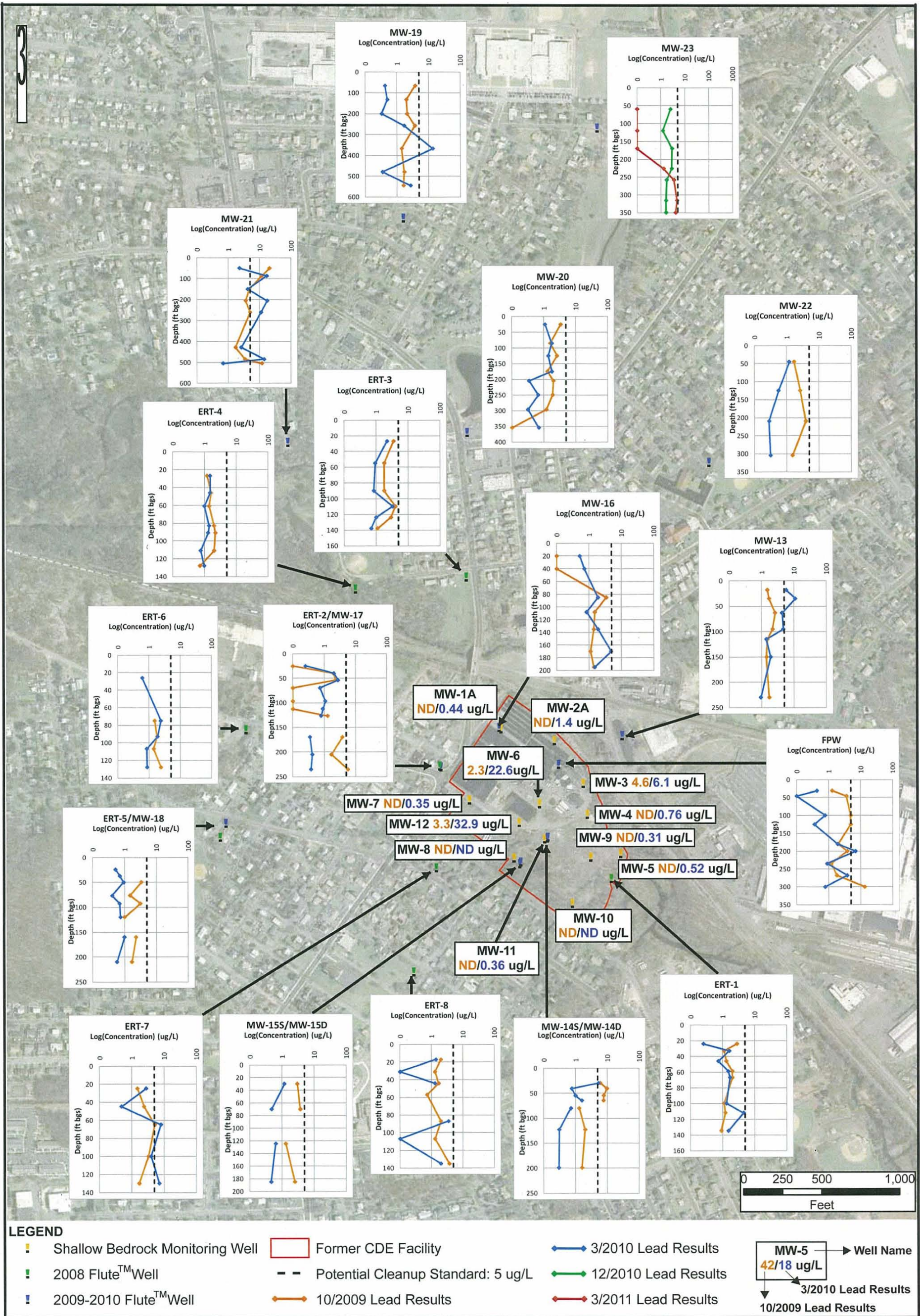


LEGEND

- Shallow Bedrock Monitoring Well
- 2008 Flute™ Well
- 2009-2010 Flute™ Well
- Former CDE Facility
- Potential Cleanup Standard: 3 ug/L
- 10/2009 Arsenic Results
- 3/2010 Arsenic Results
- 12/2010 Arsenic Results
- 3/2011 Arsenic Results

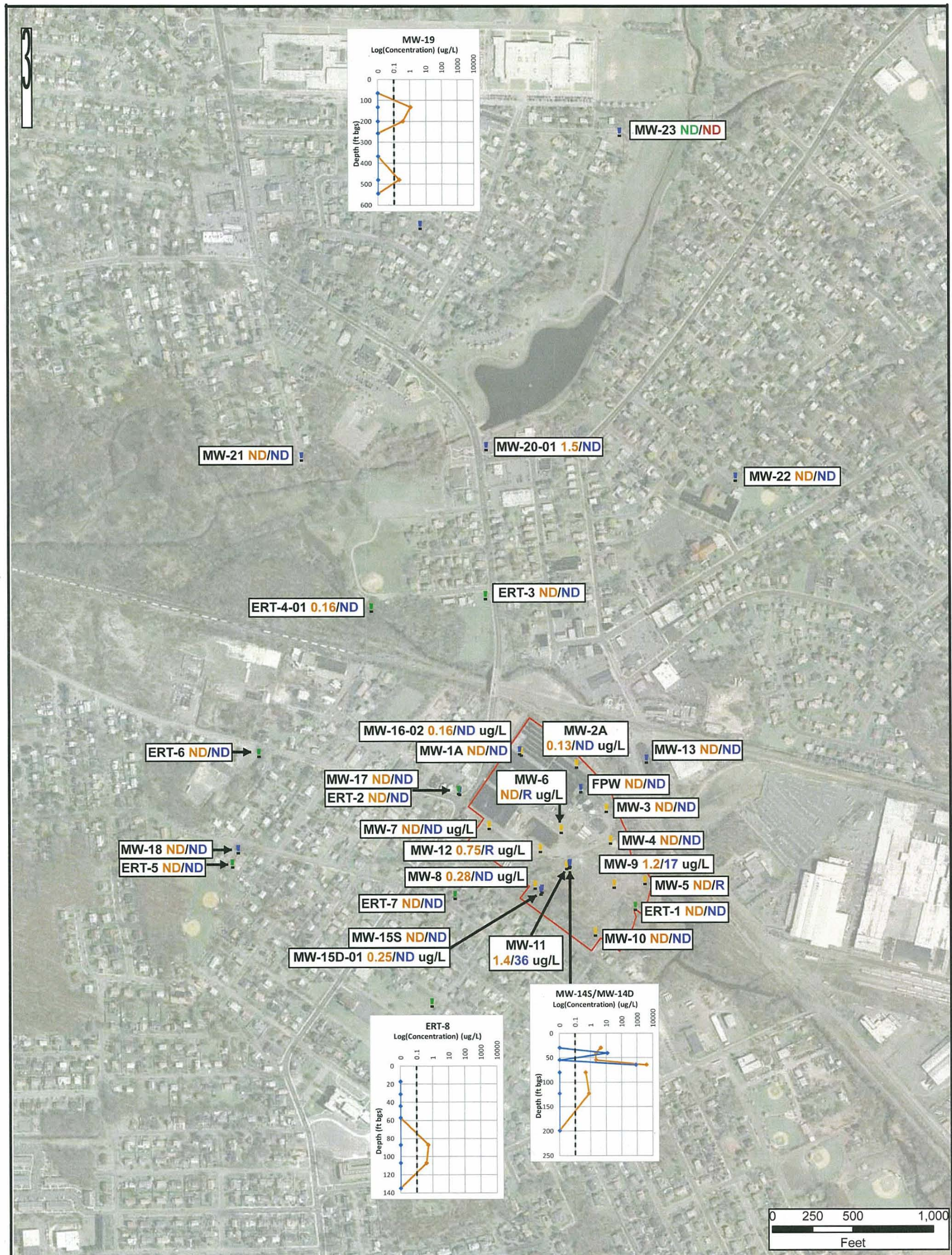
Well Name

MW-5
42/18 ug/L
3/2010 Arsenic Results
10/2009 Arsenic Results





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LEGEND

- | | | | |
|-----------------------------------|--|----------------------------|-----------|
| ■ Shallow Bedrock Monitoring Well | □ Former CDE Facility | ◆ 3/2010 4'-4-DDT Results | Well Name |
| ■ 2008 Flute™ Well | --- Potential Cleanup Standard: 0.1 ug/L | ◆ 12/2010 4'-4-DDT Results | |
| ■ 2009-2010 Flute™ Well | ◆ 10/2009 4'-4-DDT Results | ◆ 3/2011 4'-4-DDT Results | |
- MW-5 42/18 ug/L
3/2010 4'-4-DDT Results
10/2009 4'-4-DDT Results

<p>ARCADIS MALCOLM PIRNIE Infrastructure · Water · Environment · Buildings</p>	<p>Cornell-Dubilier Electronics Superfund Site</p> <p>South Plainfield, New Jersey</p>	<p>4'-4-DDT in Groundwater 2009-2011* Sampling Events</p> <p>*MW-23 results from 12/2010 and 3/2011</p>	<p>FIGURE 5-29</p>
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Figure 5-30
INTEGRATED PUMPING TEST- Test Well SW
MASS DISCHARGE OF TOTAL CVOCS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

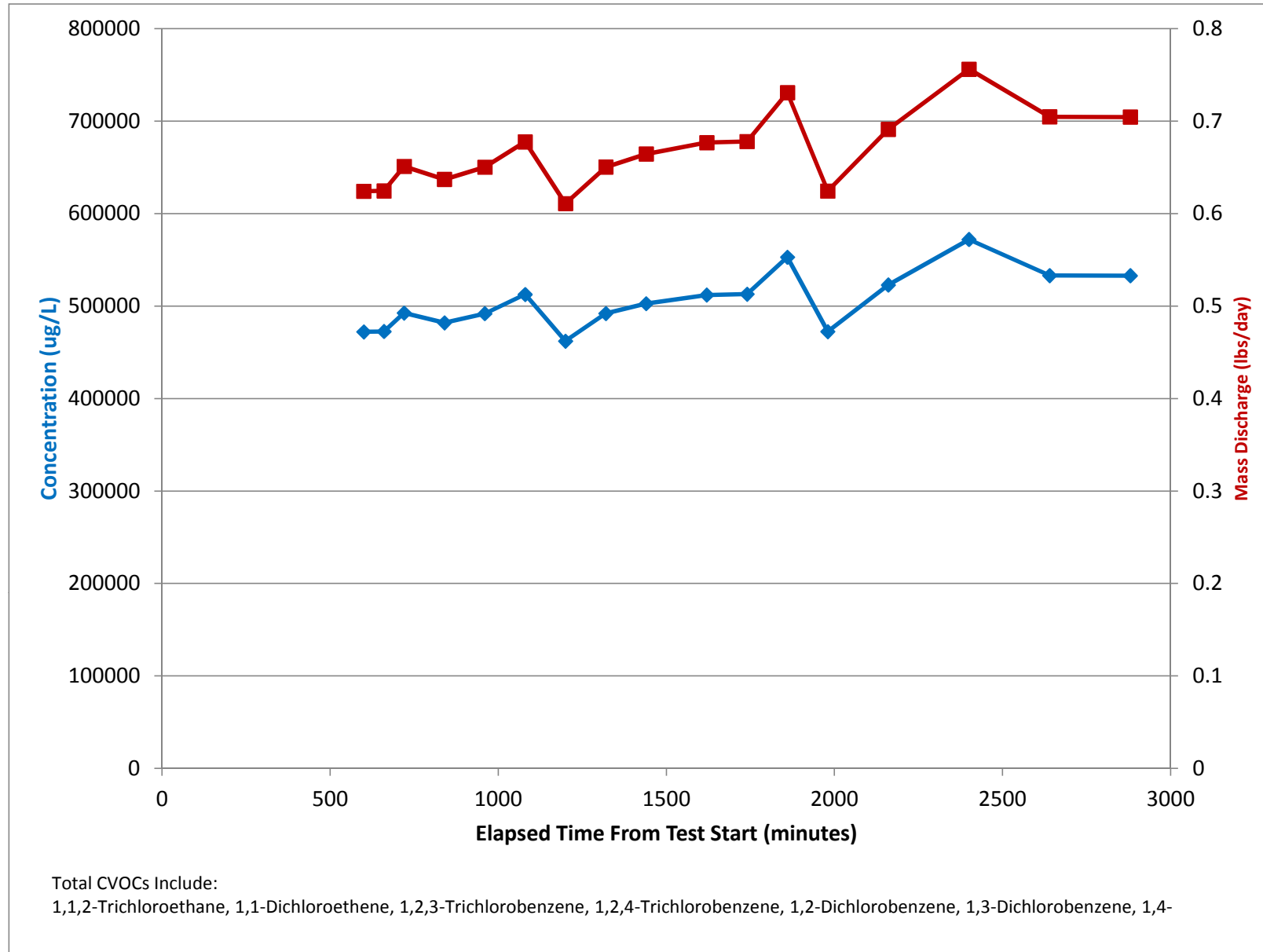


Figure 5-31
INTEGRATED PUMPING TEST - Test Well SW
MASS DISCHARGE OF TOTAL PCB AROCLORS
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

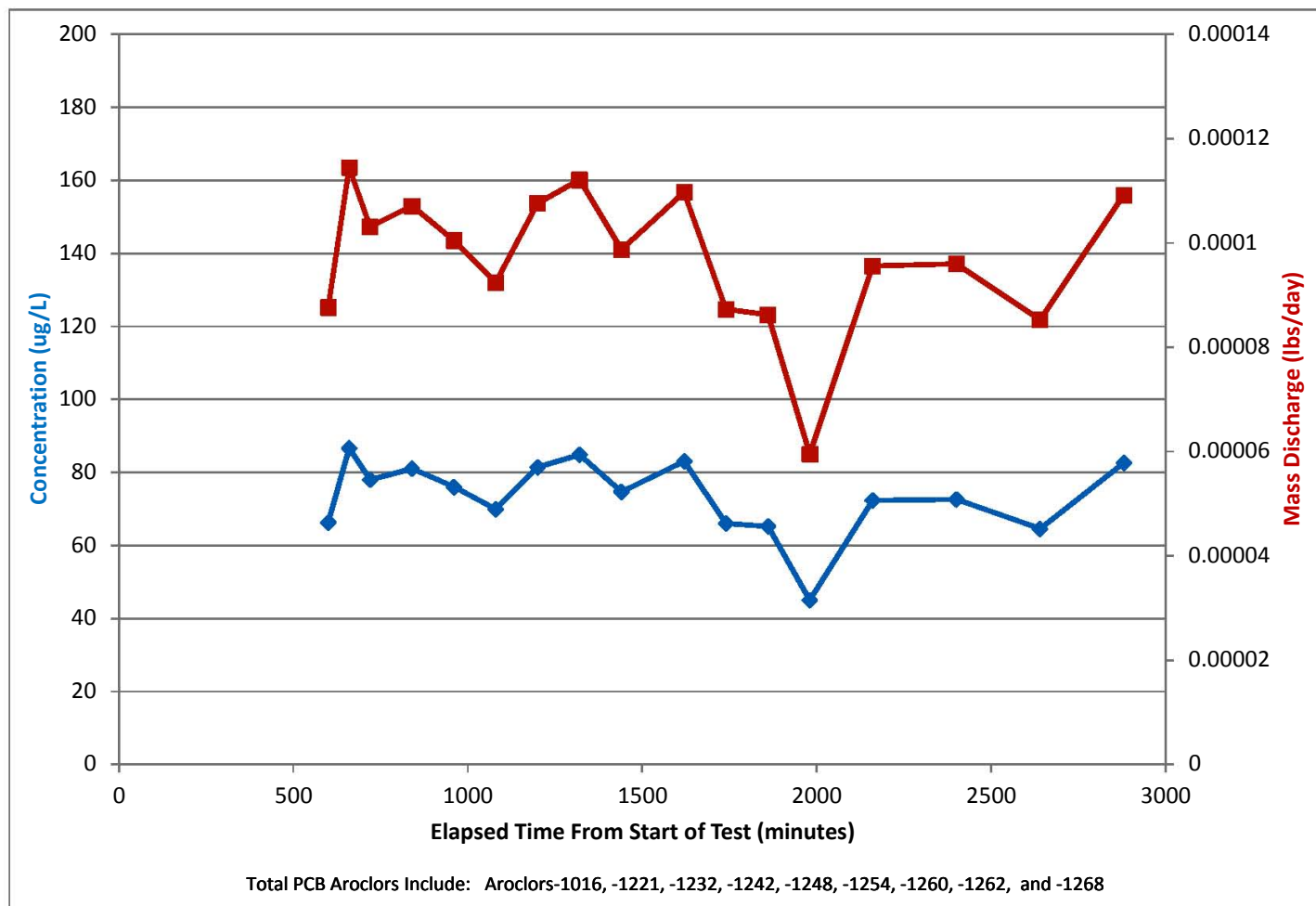


Figure 5-32
 INTEGRATED PUMPING TEST - Test Well TW
 MASS DISCHARGE OF TOTAL CVOCS
 Cornell-Dubilier Electronics Superfund Site
 South Plainfield, New Jersey

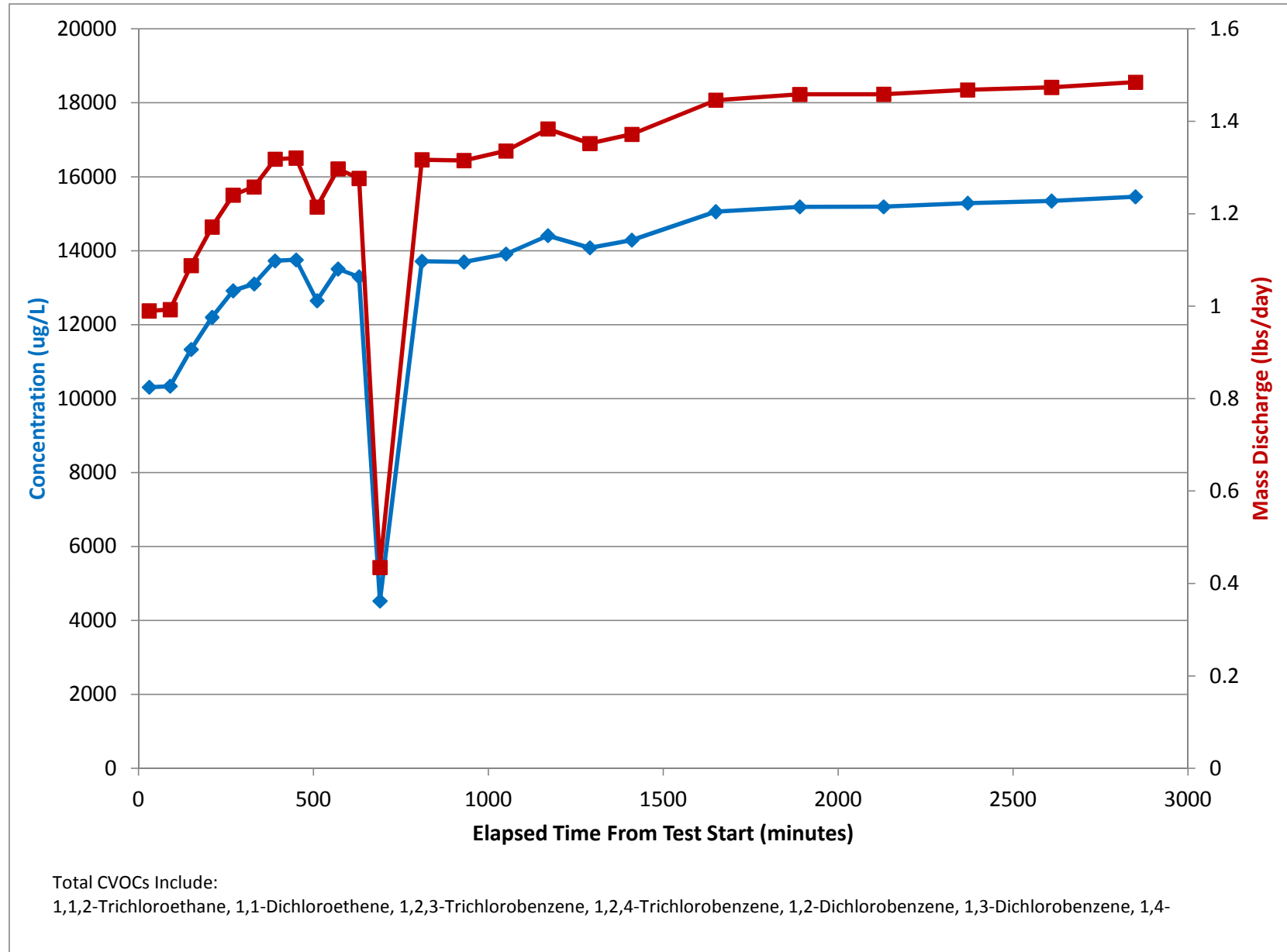
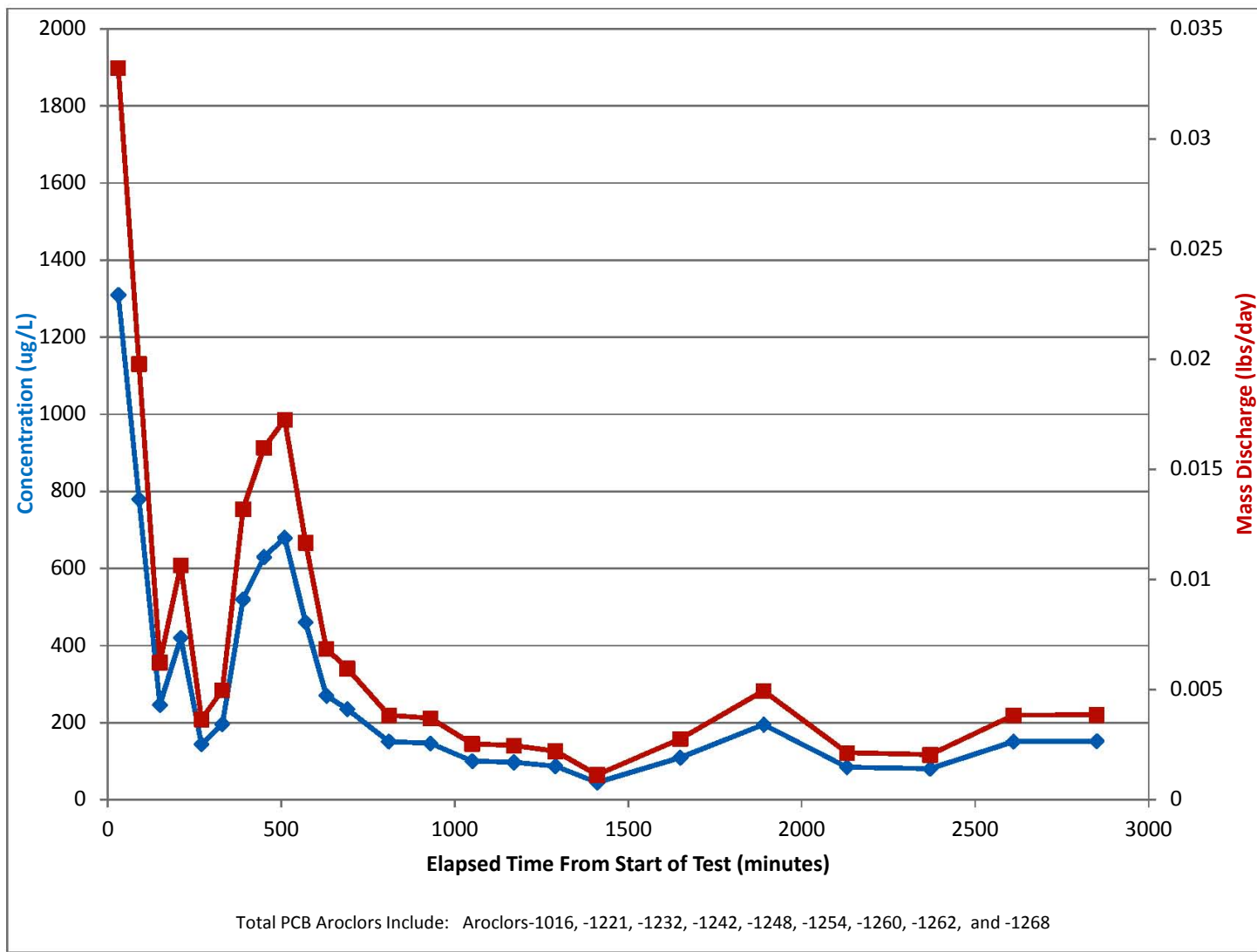
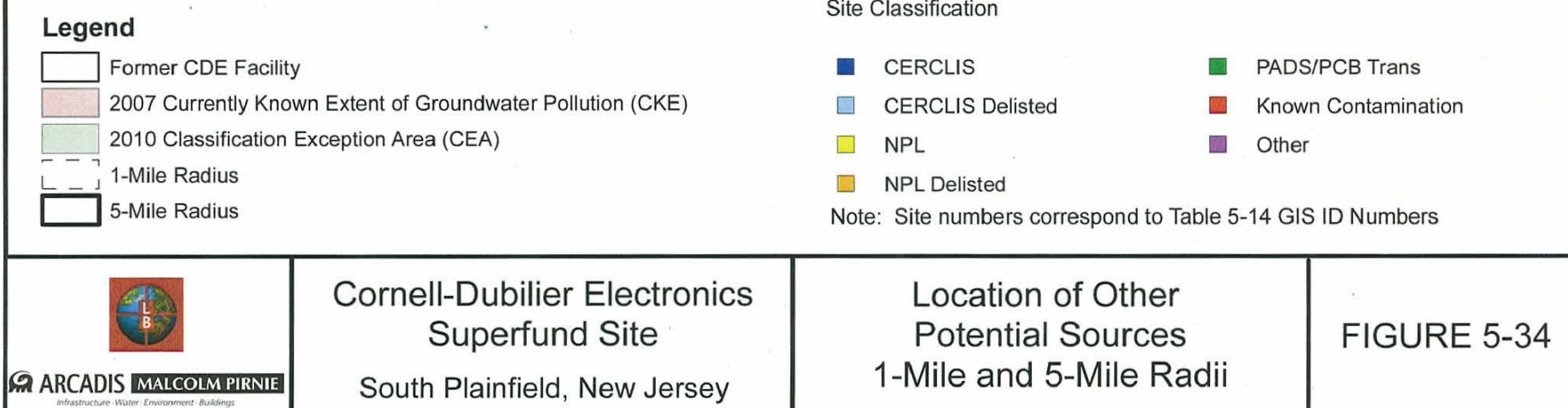
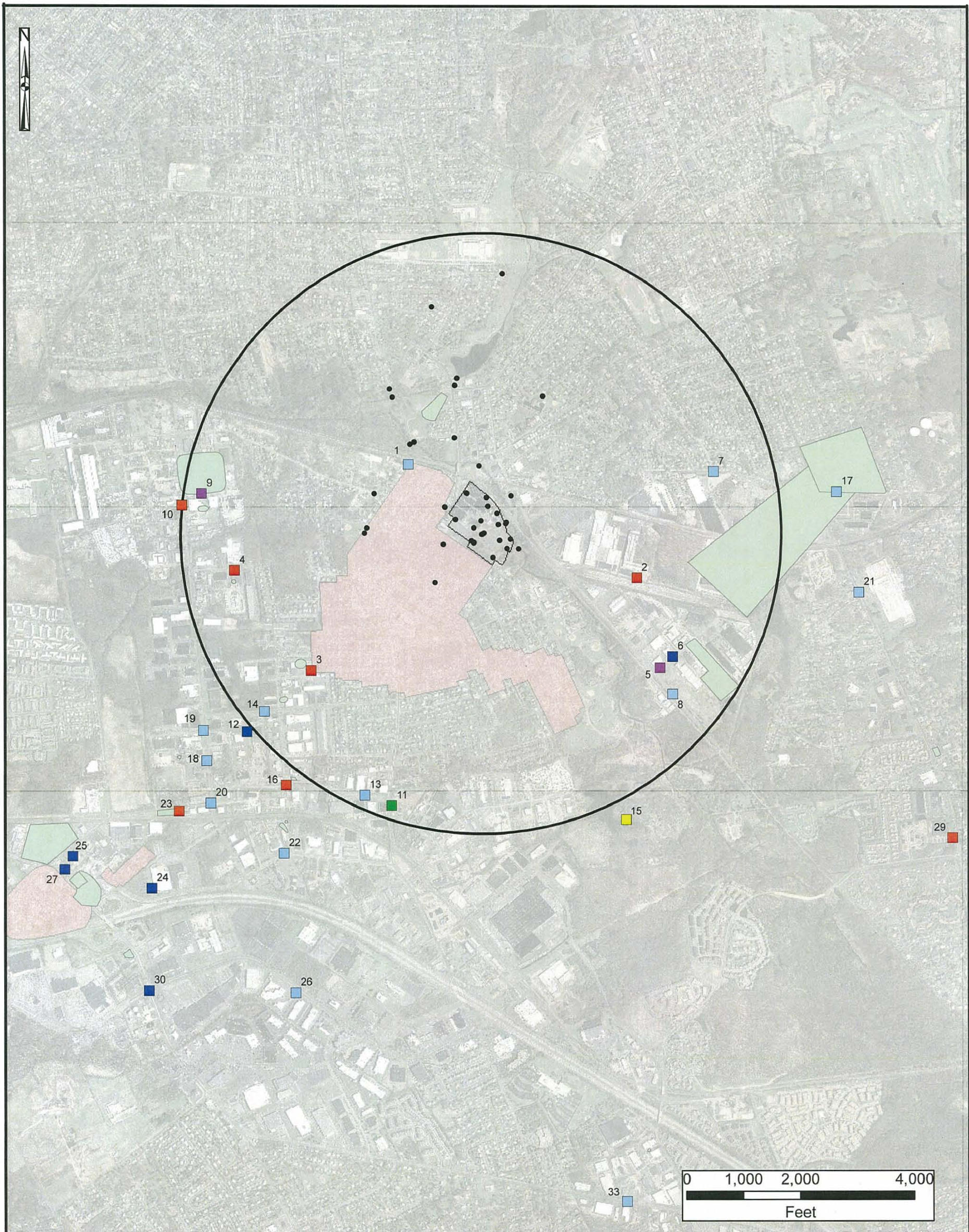


Figure 5-33
 INTEGRATED PUMPING TEST - Test Well TW
 MASS DISCHARGE OF TOTAL PCB AROCLORS
 Cornell-Dubilier Electronics Superfund Site
 South Plainfield, New Jersey





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Legend

- Former CDE Facility
- 1-Mile Radius
- OU3 Wells
- 2010 Classification Exception Area (CEA)
- 2007 Currently Known Extent of Groundwater Pollution (CKE)

Site Classification

- CERCLIS
- CERCLIS Delisted
- NPL
- NPL Delisted
- PADS/PCB Trans
- Known Contamination
- Other

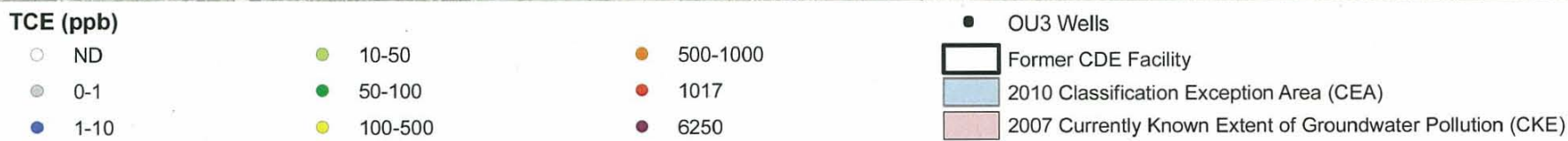
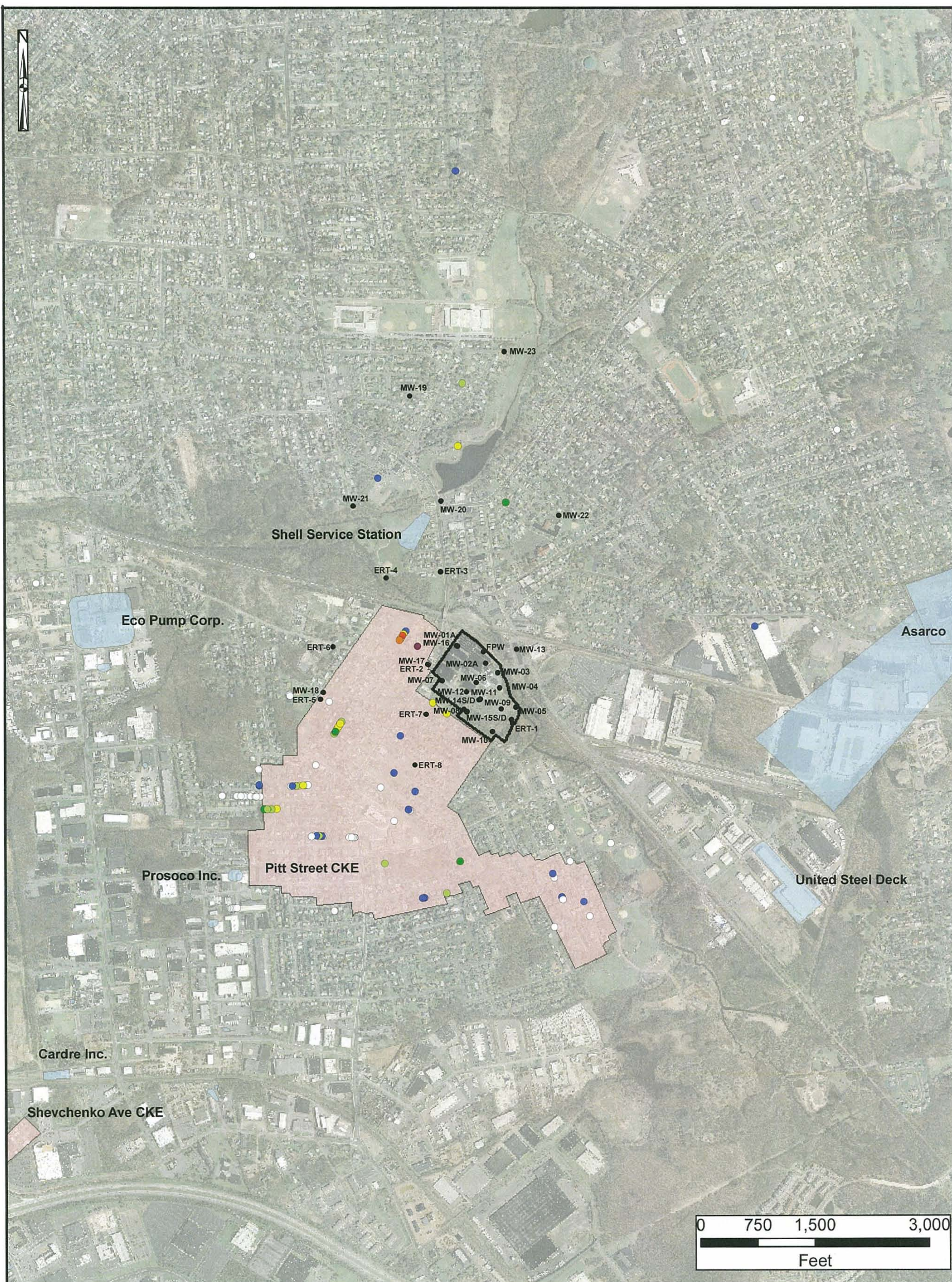
Note: Site numbers correspond to table 5-14 GIS ID Numbers

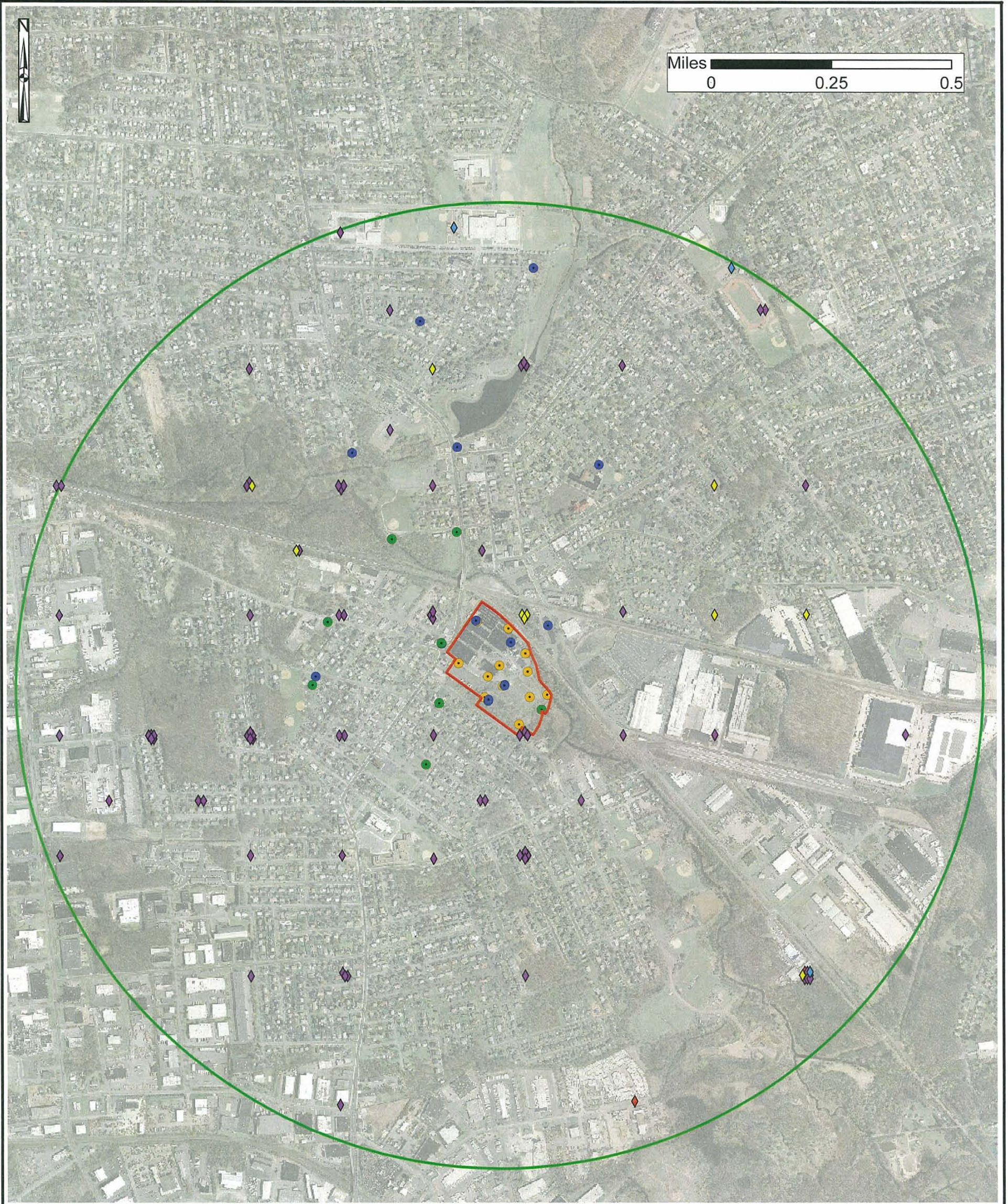


Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

Location of Other
Potential Sources
1-Mile Radius Zoom

FIGURE 5-35





Legend

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> ◆ Commercial Well ◆ Domestic Well ◆ Irrigation Well ◆ Industrial Well | <ul style="list-style-type: none"> ● 2008 Flute™ Well ● 2009-2010 Flute™ Well ● Shallow Bedrock Monitoring Well | <ul style="list-style-type: none"> Former CDE Facility 1 Mile Radius Around Former CDE Facility |
|---|---|---|

Figure 5-38
Concentration of TCE in Spring Lake Wellfield (1991-1993)
Cornel-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

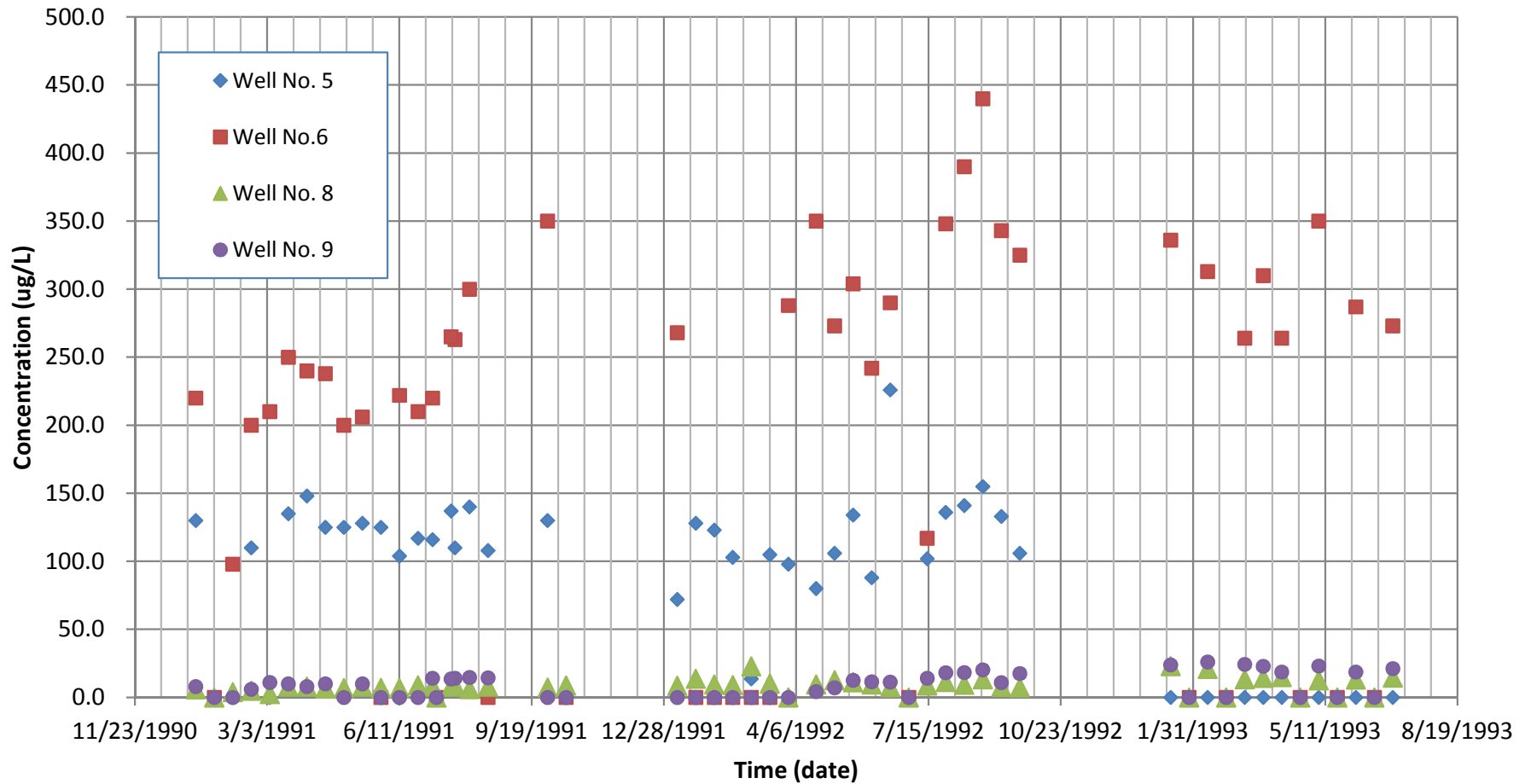


Figure 5-39
TCE and PCE Entering Spring Lake Treatment Plant (2002-2003)
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

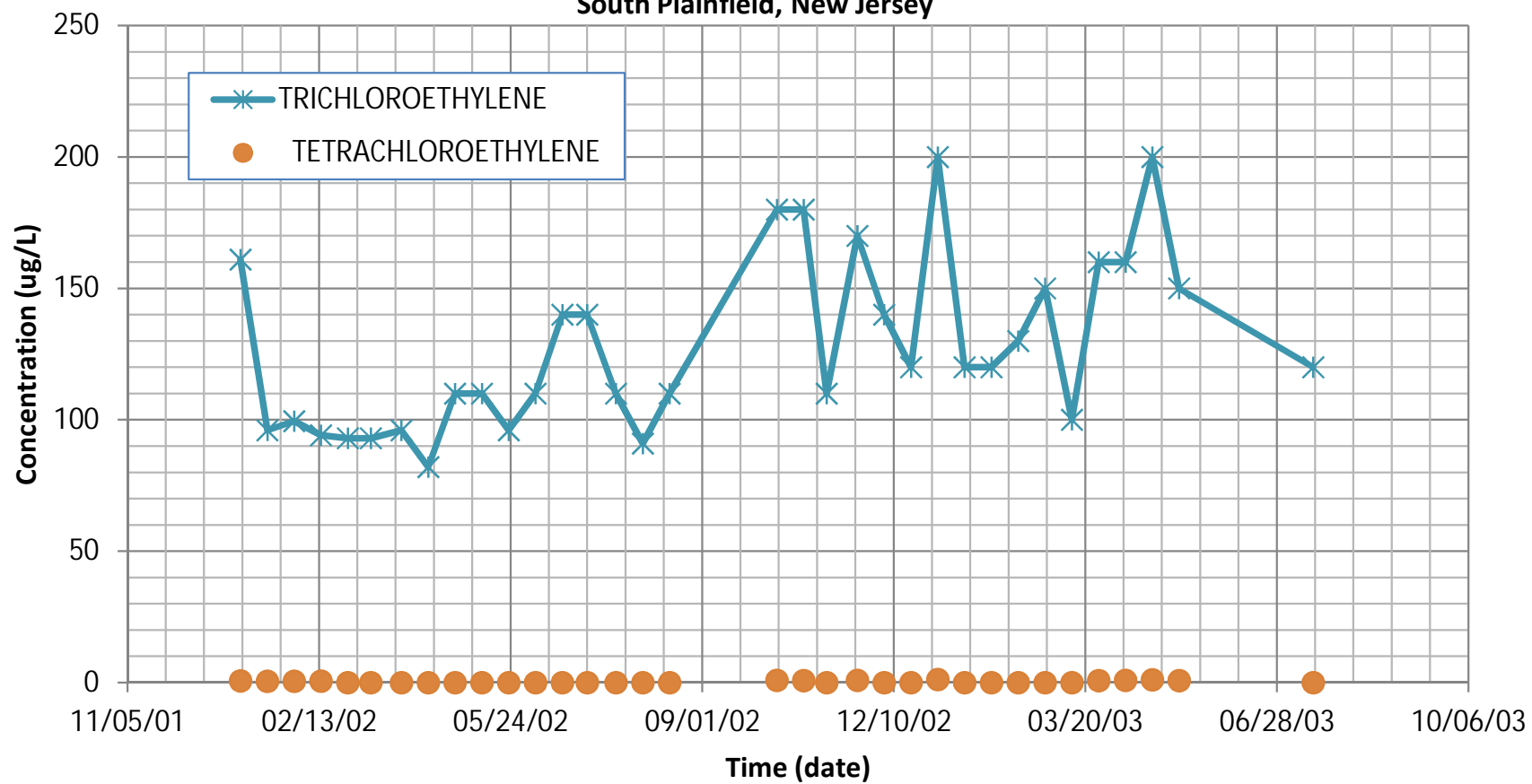


Figure 5-40
Concentration of TCE in Middlesex Water Company Water Supply Wells (1983-1988)
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

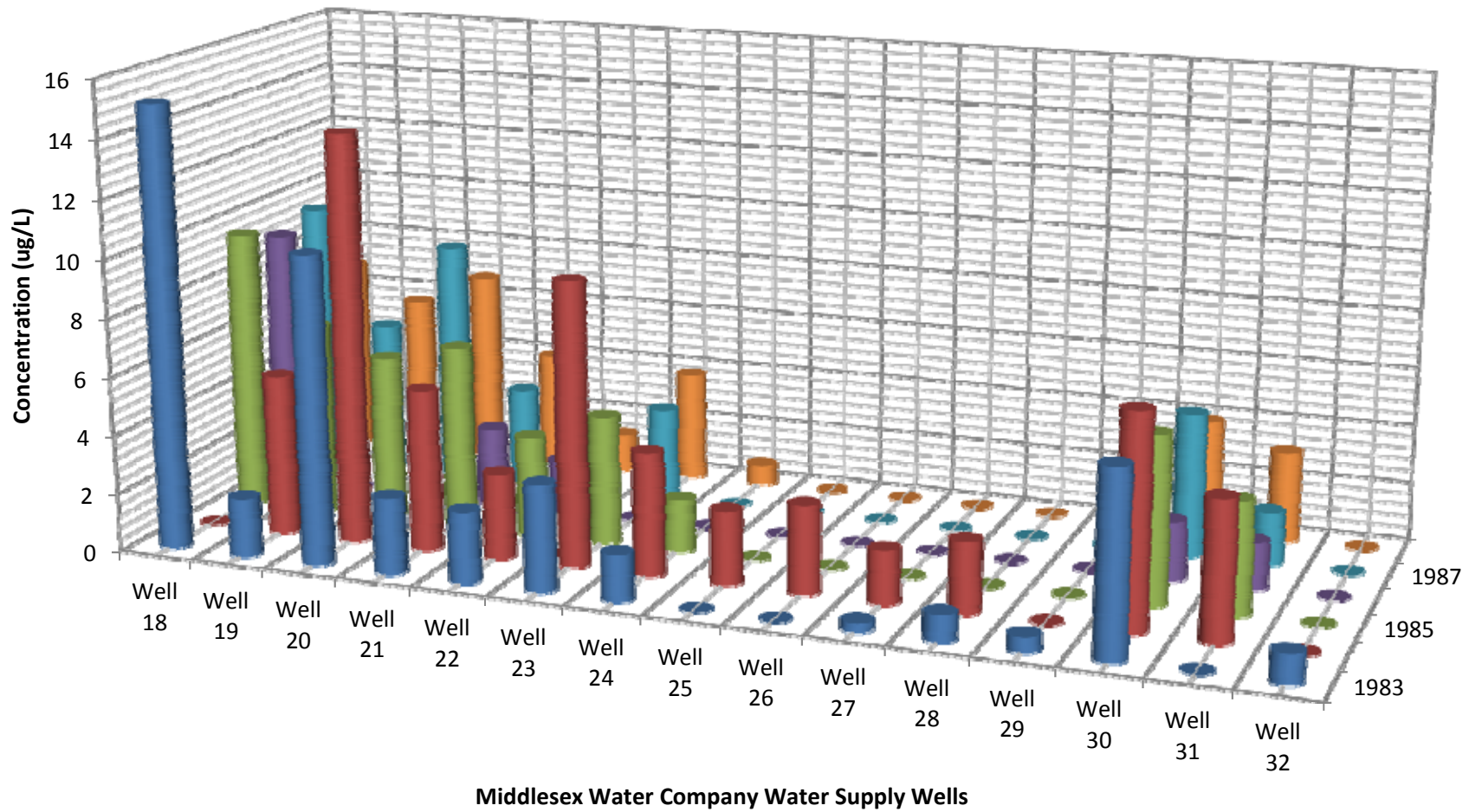


Figure 5-41
Concentration of PCE in Middlesex Water Company Water Supply Wells (1983-1988)
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey

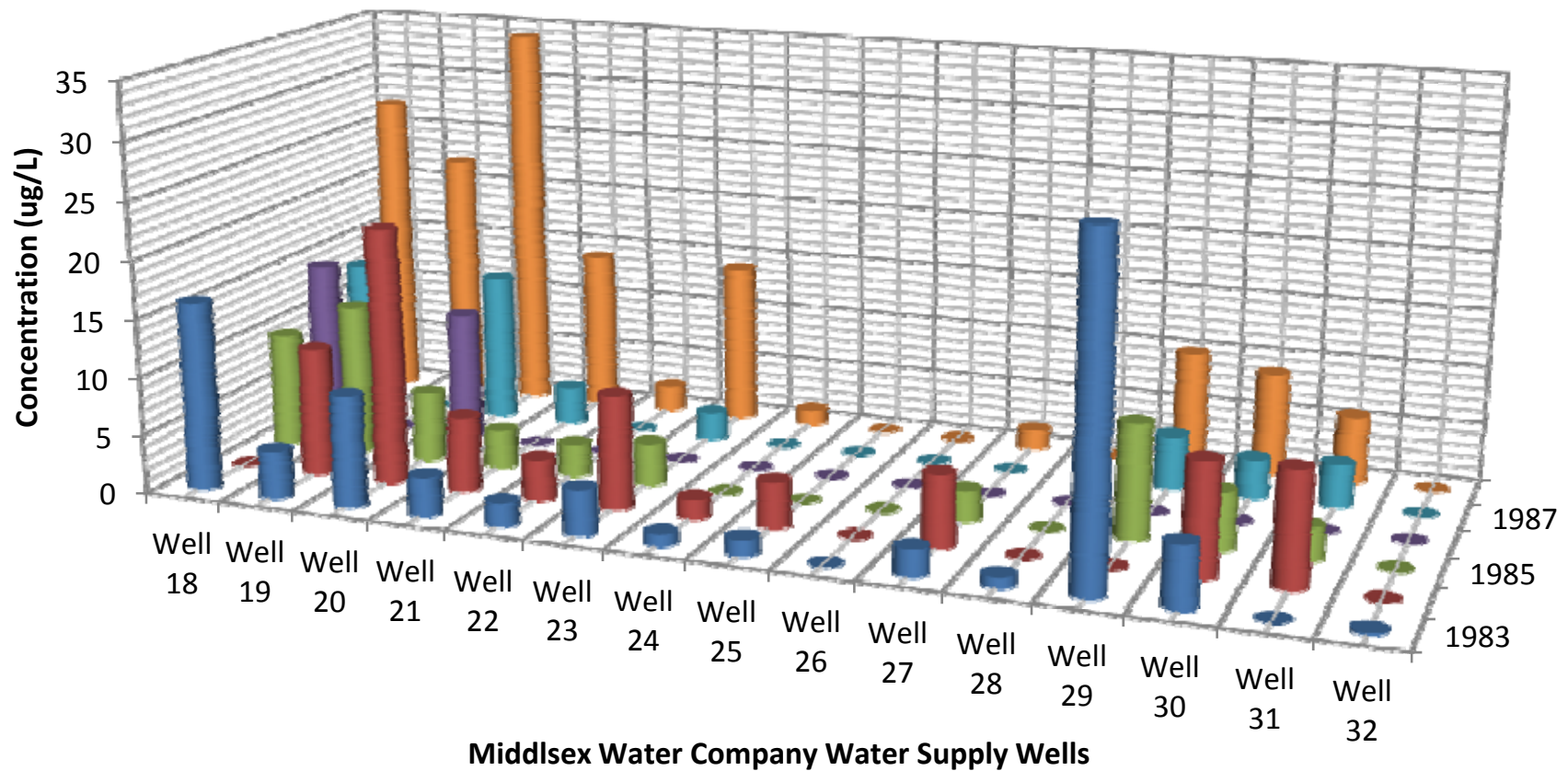
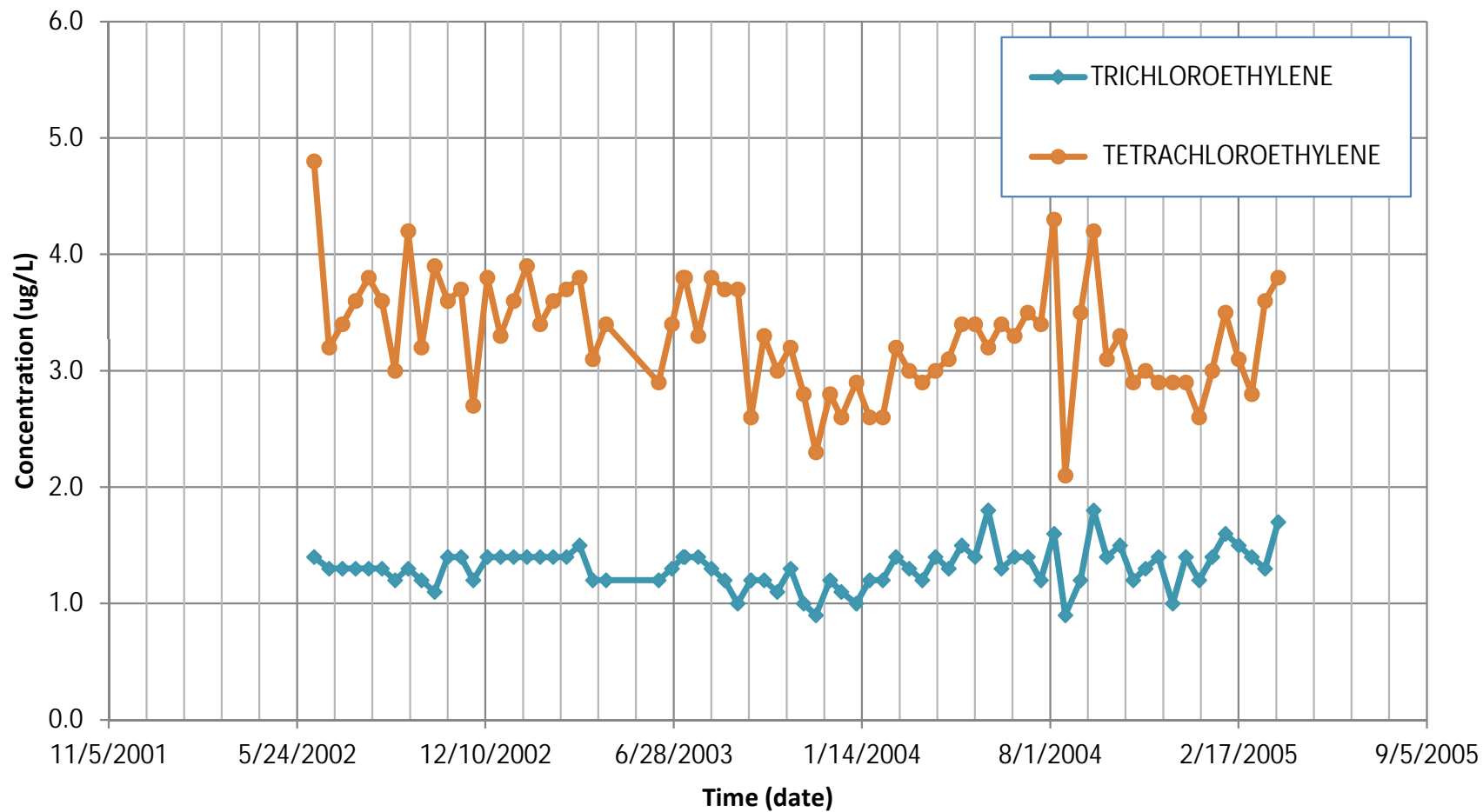
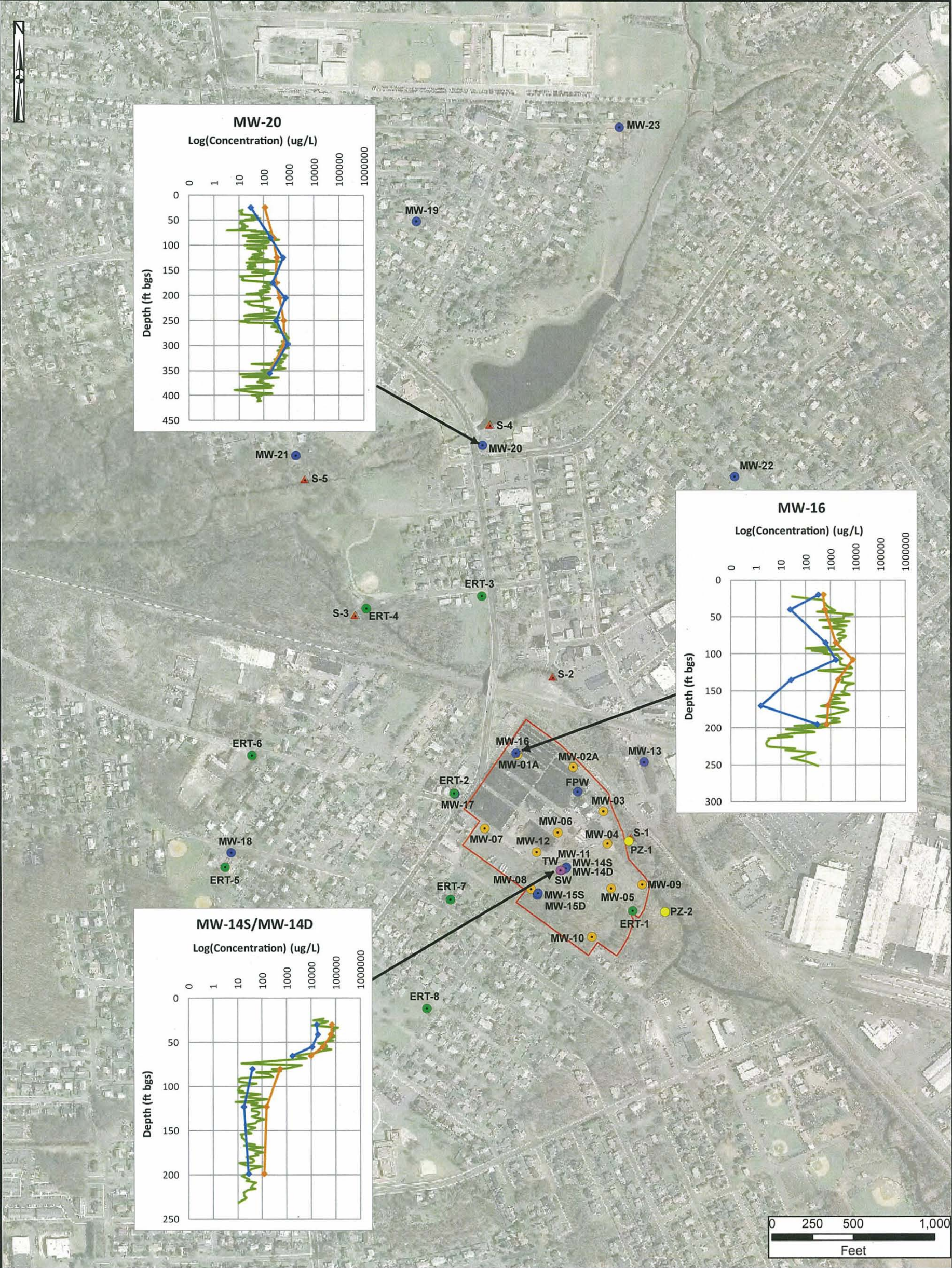


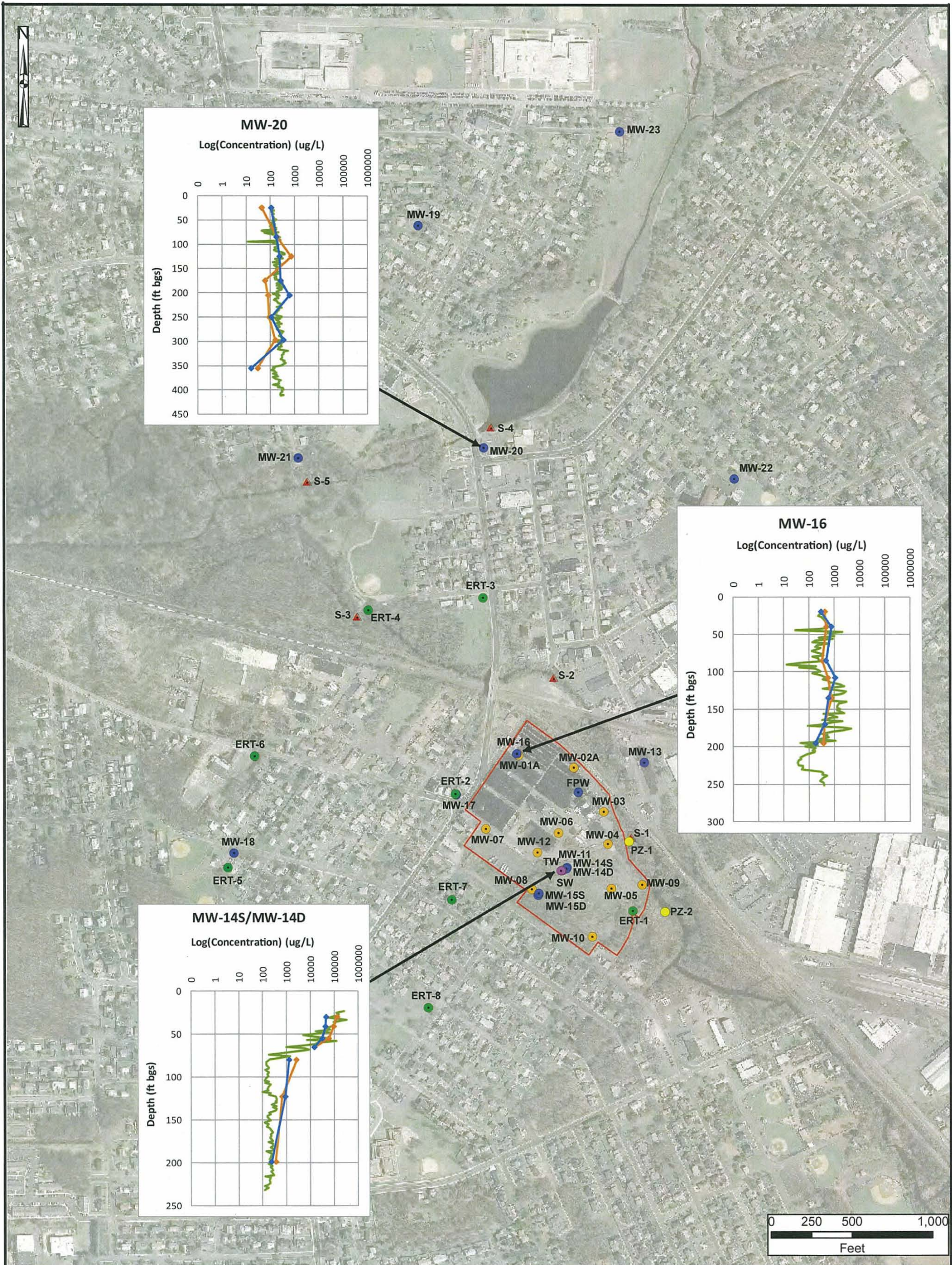
Figure 5-42
Concentration of PCE and TCE in Park Avenue Wellfield Treatment Plant (2002-2005)
Cornell-Dubilier Electronics Superfund Site
South Plainfield, New Jersey






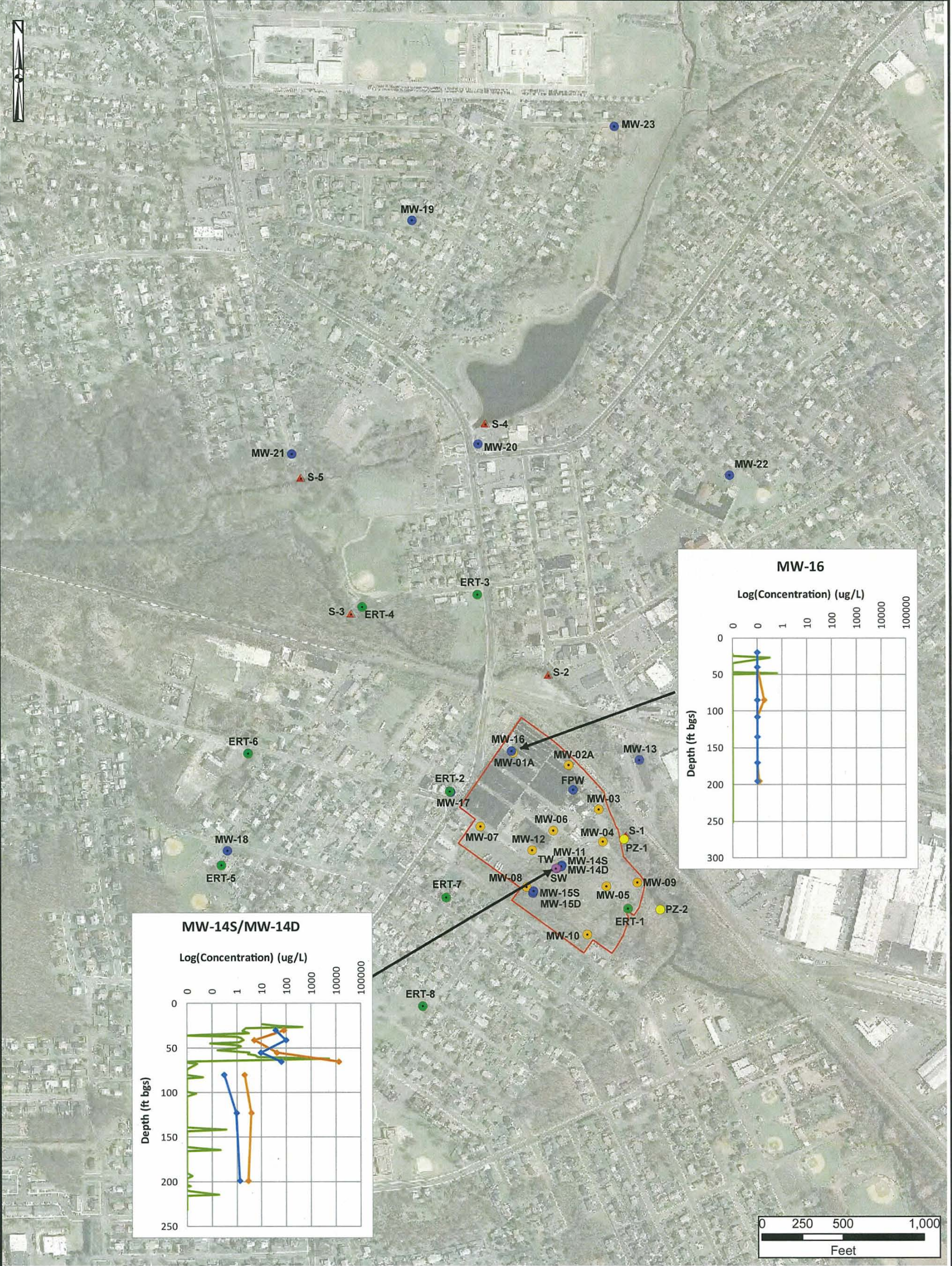
LEGEND							
	Former CDE Facility		Shallow Bedrock Monitoring Well		Piezometer		10/2009 Groundwater TCE Concentration (ug/L)
	2008 Flute™ Well		Test Well				3/2010 Groundwater TCE Concentration (ug/L)
	2009-2010 Flute™ Well		Staff Gage				Estimated Pore Water TCE Concentration (ug/L)

 ARCADIS MALCOLM PIRNIE Infrastructure · Water · Environment · Buildings	Cornell-Dubilier Electronics Superfund Site South Plainfield, New Jersey	Estimated Pore Water and 2009-2010 Groundwater TCE Concentrations	FIGURE 6-1



 <p>ARCADIS MALCOLM PIRNIE Infrastructure Water Environment Buildings</p>	<p>Cornell-Dubilier Electronics Superfund Site South Plainfield, New Jersey</p>	<p>Estimated Pore Water and 2009-2010 Groundwater cDCE Concentrations</p>	<p>FIGURE 6-2</p>
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LEGEND

Former CDE Facility

2008 Flute™ Well

2009-2010 Flute™ Well

Shallow Bedrock Monitoring Well

Test Well

Staff Gage

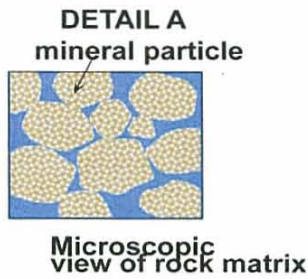
Piezometer

10/2009 Groundwater PCB Concentration (ug/L)

3/2010 Groundwater PCB Concentration (ug/L)

Estimated Pore Water PCB Concentration (ug/L)

	Cornell-Dubilier Electronics Superfund Site South Plainfield, New Jersey	Estimated Pore Water and 2009-2010 Groundwater Total PCB Aroclor Concentrations	FIGURE 6-3



Conceptual representation of matrix porosity and fracture porosity. The fracture porosity is generally several orders of magnitude lower than the matrix porosity.

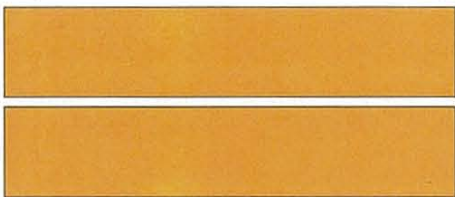
a) Cubic Matrix Blocks



$$\text{Fracture Porosity} = 3 \epsilon / L$$

Spacing - meters	Fracture Porosity
1	1.5 E-4
5	3.0 E-5
10	1.5 E-5

b) Tabular Matrix Blocks

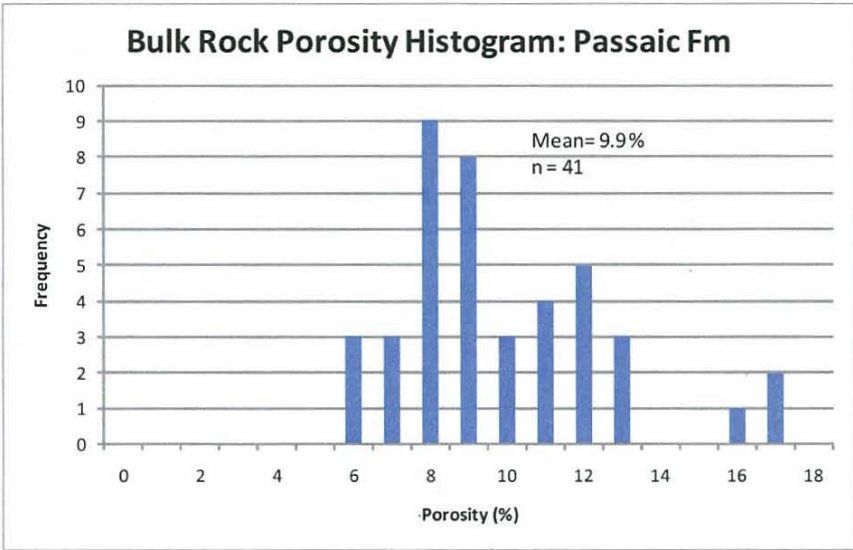
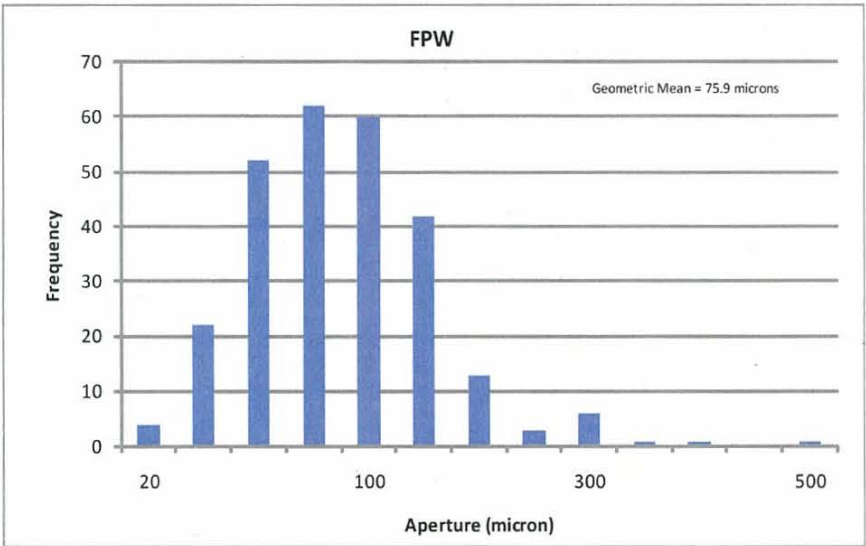


$$\text{Fracture Porosity} = \epsilon / L$$

Spacing - meters	Fracture Porosity
1	5.0 E-5
5	1.0 E-5
10	5.0 E-6

Fracture geometry can also impact the fracture porosity calculations. The tabular fracture geometry model was applied to the OU3 Groundwater RI data.

Representative histogram of fracture apertures in the former production well. The average fracture aperture for all of the borings was 83 microns, or 2.7×10^{-4} ft. Assuming a tabular fracture array with a calculated average fracture density of 0.9/ft, the total fracture volume per cubic foot of rock is estimated to be 2.4×10^{-4} ft/ft³. The bulk fracture porosity is 0.024%.



The average bulk rock porosity from 41 samples collected from four borings was 9.9%.

